

Converting Colors

XYZ(76.7636, 80.7462, 89.3824)

Have a look what the booklet for
XYZ(76.7636, 80.7462, 89.3824)
contains.

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Color

**XYZ(76.6629, 80.6427,
89.3669)**

Conversions

Conversions Part 1

Format	Color
Hex	E7E8EA
RGB	231, 232, 234
RGB Percent	91%, 91%, 92%
CMY	0.0941, 0.0902, 0.0823
CMYK	0.01, 0.01, 0.00, 0.08
HSL	220°, 7%, 91%
HSV	220°, 1%, 92%
XYZ	76.6629, 80.6427, 89.3669
YIQ	231.9290, -1.2380, 0.4100

Conversions

Conversions Part 2

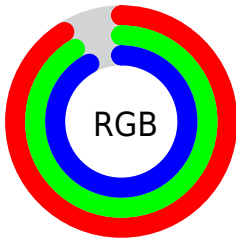
Format	Color
RYB	231, 232, 234
Decimal	15198442
CIELab	91.97, 0.03, -1.10
CIElCh	92, 1.097, 271.526
Yxy	80.6427, 0.3108, 0.3269
Android (android.graphics.Color)	4293388522 (0xFFE7E8EA)
YUV	231.9290, 1.0210, -0.8147
Hunter-Lab	89.8013, -4.7677, 3.8577

Details

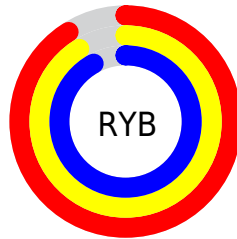
The XYZ color **76.6629, 80.6427, 89.3669** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **77.4944, 81.5387, 87.2566**, and the grayscale version is **76.6439, 80.6354, 87.8119**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.2404, 43.3790, 48.3189** is the 20% darker color. If you saturate the color by 10%, you get **65.4199, 68.6286, 87.6417**, and if you desaturate by 10%, it is **89.3084, 93.9607, 91.2723**.

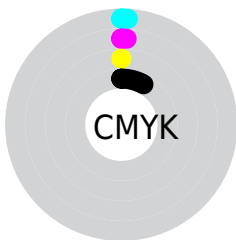
Distribution



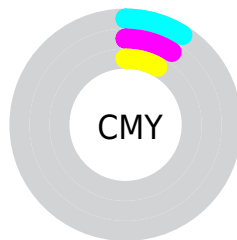
- Red (91%)
- Green (91%)
- Blue (92%)



- Red (91%)
- Yellow (91%)
- Blue (92%)



- Cyan (1%)
- Magenta (1%)
- Yellow (0%)
- Black (8%)



- Cyan (9%)
- Magenta (9%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.6629, 80.6427, 89.3669 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 76.6629, 80.6427, 89.3669 by changing the saturation by 10% instead.

■ 76.6629, 80.6427,
89.3669

■ 76.6629, 80.6427,
89.3669

472.5235,
497.0961, 546.4861

■ 57.2752, 60.2474,
66.8849

127.6389,
134.2690, 148.3865

■ 41.4672, 43.6181,
48.5301

159.9579,
168.2687, 185.7612

■ 28.8736, 30.3703,
33.8839

197.3181,
207.5720, 228.9372

■ 19.1290, 20.1199,
22.5278

240.0847,
252.5633, 278.3331

■ 11.8681, 12.4822,
14.0432

288.6232,
303.6269, 334.3674

■ 6.7255, 7.0730,
8.0116

343.2990,

■ 3.3358, 3.5078,

361.1474, 397.4587

4.0145

404.4773,
425.5090, 468.0254

■ 1.3337, 1.4022,
1.6333

■ 0.2083, 0.2184,
0.3144

■ 76.6629, 80.6427,
89.3669

■ 76.6629, 80.6427,
89.3669

■ 65.4199, 68.6286,
87.6417

■ 89.3084, 93.9607,
91.2723

■ 55.5228, 57.8676,
86.0863

■ 91.8515, 98.7206,
92.0570

■ 46.9210, 48.3203,
84.6968

■ 39.5581, 39.9414,
83.4676

■ 33.3733, 32.6826,
82.3925

■ 28.3004, 26.4920,
81.4650

■ 24.2660, 21.3129,
80.6779

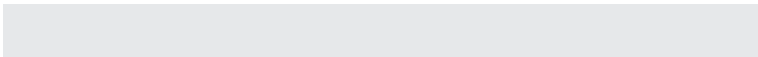
■ 21.1869, 17.0822,
80.0236

■ 18.9655, 13.7282,
79.4933

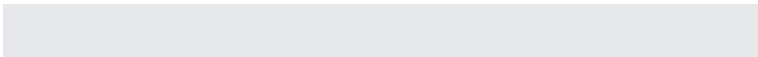
Harmonies

Analogous

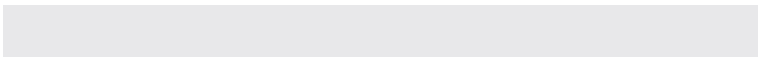
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.3904, 80.6427, 89.1776



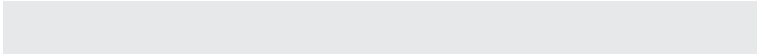
76.6629, 80.6427, 89.3669



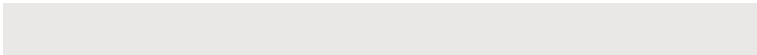
76.9322, 80.6427, 89.1359

Triad

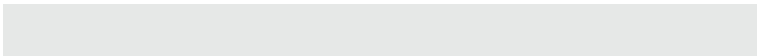
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.6629, 80.6427, 89.3669



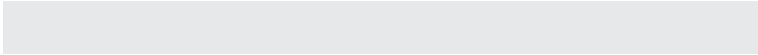
77.1114, 80.6427, 86.9971



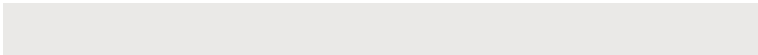
76.1731, 80.6427, 87.0683

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



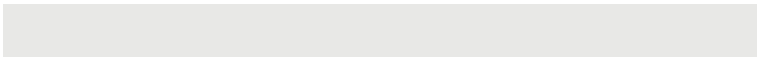
76.6629, 80.6427, 89.3669



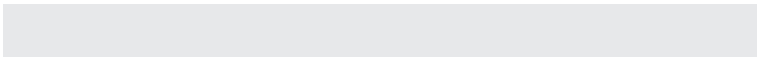
77.4944, 81.5387, 87.2566

Split Complementary

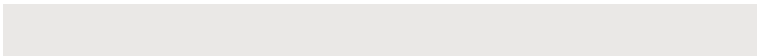
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.3654, 80.6427, 86.4898



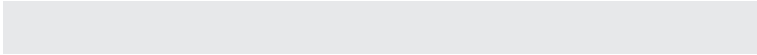
76.6629, 80.6427, 89.3669



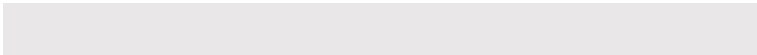
76.9071, 80.6427, 86.4489

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



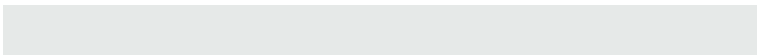
76.6629, 80.6427, 89.3669



77.1915, 80.6427, 87.7649



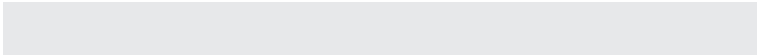
76.6340, 80.6427, 86.2638



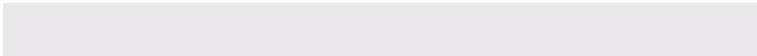
76.1080, 80.6427, 87.8475

Rectangle

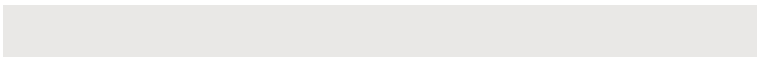
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



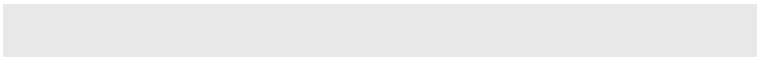
76.6629, 80.6427, 89.3669



77.0735, 80.6427, 88.7754



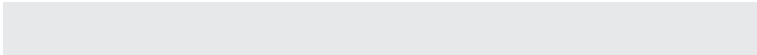
76.6340, 80.6427, 86.2638



76.2250, 80.6427, 86.8441

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



76.6652, 80.6462, 89.3687

95.0500, 100.0000, 108.9000



77.0798, 81.7161, 88.7648



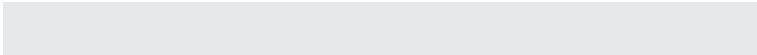
20.3446, 21.4041, 23.3091



0.0000, 0.0000, 0.0000

Same Dimension

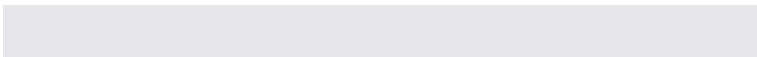
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.6652, 80.6462, 89.3687



92.1256, 96.8996, 108.4557



76.5288, 80.1575, 89.2815



16.5081, 17.3639, 19.4037



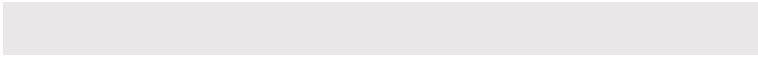
9.9927, 6.6324, 44.4965



0.8704, 0.6922, 3.5226

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



77.0748, 80.4719, 87.8184



92.9030, 96.5725, 105.5130



77.6319, 82.0328, 87.3447



16.6392, 17.3086, 18.9075



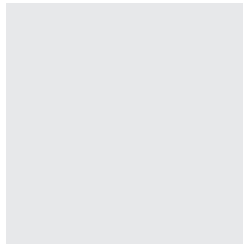
19.8991, 10.1623, 5.2702



1.6058, 0.8153, 0.6416

Previews

White Background



This preview shows how the XYZ color 76.6629, 80.6427, 89.3669 looks on a white background.

Color Contrast Check

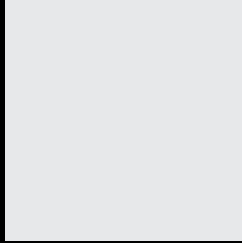
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 76.6629, 80.6427, 89.3669 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

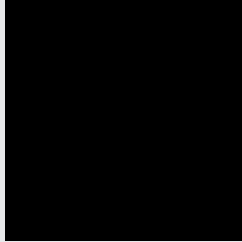
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

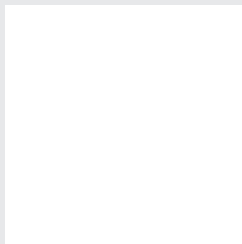
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 76.6629, 80.6427, 89.3669

Background



This preview shows how black text looks on a background with the XYZ color 76.6629, 80.6427, 89.3669.



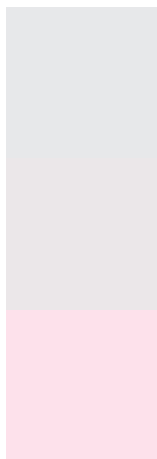
This preview shows how white text looks on a background with the XYZ color 76.6629, 80.6427,

89.3669.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

76.6629, 80.6427, 89.3669

Protanopia

77.5448, 80.6972, 88.5799

Deuteranopia

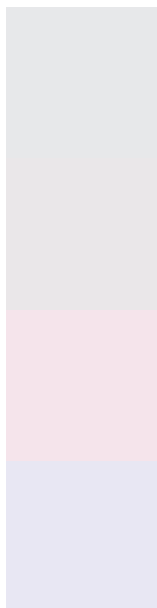
82.4286, 80.7312, 89.8355



Tritanopia

78.8444, 80.6946, 100.2270

Trichromacy



Original Color

76.6629, 80.6427, 89.3669

Protanomaly

77.2156, 80.5274, 88.5644

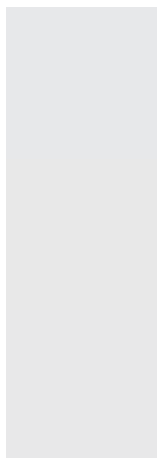
Deuteranomaly

80.3950, 80.8974, 89.9748

Tritanomaly

78.0323, 80.7787, 96.2731

Monochromacy



Original Color

76.6629, 80.6427, 89.3669

Achromatopsia

76.7008, 80.6952, 87.8771

Achromatomaly

76.8433, 80.7522, 88.6275

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.6629, 80.6427, 89.3669 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color rgb(231, 232, 234) looks like.

```
.text, #text, p{  
    color:rgb(231, 232, 234)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(231, 232, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 232, 234) }
```

Border

The CSS property to change the border of an element to XYZ 76.6629, 80.6427, 89.3669 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(231, 232, 234) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(231, 232, 234) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(231, 232, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 232, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 232, 234);  
box-shadow:4px 4px 4px 4px rgb(231, 232,  
234) }
```


Background

The CSS property to change the background color of an element to XYZ 76.6629, 80.6427, 89.3669 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 232, 234) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(231,  
232, 234) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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