

Converting Colors

XYZ(76.6410, 81.7744, 91.9431)

Have a look what the booklet for
XYZ(76.6410, 81.7744, 91.9431)
contains.

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Color

**XYZ(76.6729, 81.8620,
91.8806)**

Conversions

Conversions Part 1

Format	Color
Hex	E3EBED
RGB	227, 235, 237
RGB Percent	89%, 92%, 93%
CMY	0.1098, 0.0784, 0.0706
CMYK	0.04, 0.01, 0.00, 0.07
HSL	192°, 22%, 91%
HSV	192°, 4%, 93%
XYZ	76.6729, 81.8620, 91.8806
YIQ	232.8360, -5.4100, -1.0740

Conversions

Conversions Part 2

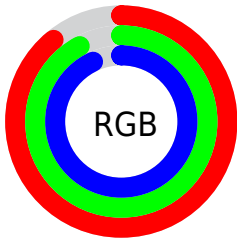
Format	Color
R _Y B	227, 231, 237
Decimal	14937069
CIE Lab	92.51, -2.28, -1.90
CIE LCh	93, 2.973, 219.787
Yxy	81.8620, 0.3062, 0.3269
Android (android.graphics.Color)	4293127149 (0xFFE3EBED)
YUV	232.8360, 2.0529, -5.1182
Hunter-Lab	90.4776, -7.0707, 3.1250

Details

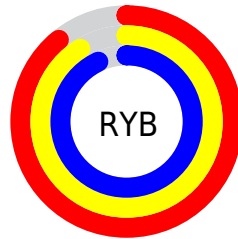
The XYZ color **76.6729, 81.8620, 91.8806** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **76.8096, 79.5882, 83.9879**, and the grayscale version is **77.3187, 81.3453, 88.5850**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.4738, 44.3471, 50.0900** is the 20% darker color. If you saturate the color by 10%, you get **68.3704, 75.6001, 91.1108**, and if you desaturate by 10%, it is **86.0451, 88.7334, 92.7142**.

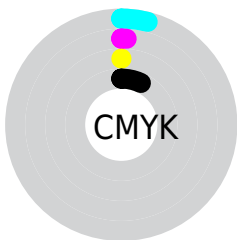
Distribution



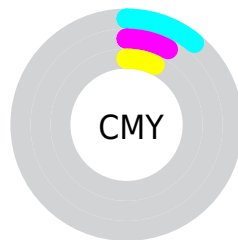
- Red (89%)
- Green (92%)
- Blue (93%)



- Red (89%)
- Yellow (91%)
- Blue (93%)



- Cyan (4%)
- Magenta (1%)
- Yellow (0%)
- Black (7%)



- Cyan (11%)
- Magenta (8%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.6729, 81.8620, 91.8806 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 76.6729, 81.8620, 91.8806 by changing the saturation by 10% instead.

■ 76.6729, 81.8620,
91.8806

■ 76.6729, 81.8620,
91.8806

472.5571,
501.1860, 554.8567

■ 57.2834, 61.2518,
68.9590

127.6529,
135.9805, 151.9062

■ 41.4739, 44.4284,
50.2068

159.9742,
170.2575, 189.8472

■ 28.8788, 31.0074,
35.2054

197.3368,
209.8589, 233.6317

■ 19.1330, 20.6045,
23.5363

240.1061,
255.1692, 283.6784

■ 11.8710, 12.8352,
14.7810

288.6474,
306.5726, 340.4057

■ 6.7275, 7.3152,
8.5209

343.3261,

■ 3.3371, 3.6600,

364.4536, 404.2322

4.3375

404.5076,
429.1966, 475.5763

■ 1.3344, 1.4852,
1.8123

■ 0.2088, 0.2783,
0.4360

■ 76.6729, 81.8620,
91.8806

■ 76.6729, 81.8620,
91.8806

■ 68.3704, 75.6001,
91.1108

■ 86.0451, 88.7334,
92.7142

■ 61.0885, 69.9151,
90.3973

■ 89.0177, 92.3572,
93.2570

■ 54.7847, 64.7870,
89.7397

■ 90.4631, 95.2481,
93.7388

■ 49.4105, 60.1904,
89.1357

■ 91.9454, 98.2127,
94.2329

■ 44.9135, 56.0978,
88.5828

■ 92.2863, 98.8945,
94.3465

■ 41.2357, 52.4789,
88.0781

■ 38.3118, 49.2995,
87.6185

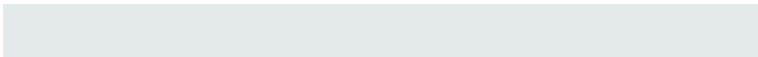
■ 36.0663, 46.5204,
87.2004

■ 34.4068, 44.0935,
86.8195

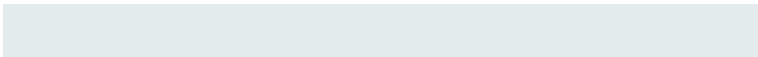
Harmonies

Analogous

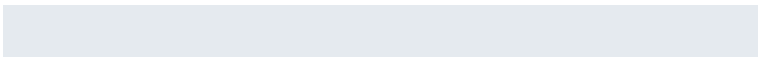
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.3545, 81.8620, 89.8580



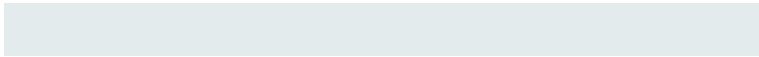
76.6729, 81.8620, 91.8806



77.2959, 81.8620, 93.1808

Triad

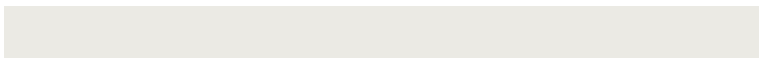
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.6729, 81.8620, 91.8806



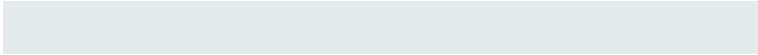
79.2079, 81.8620, 90.6099



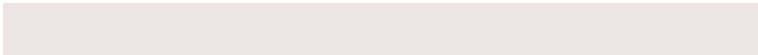
77.5554, 81.8620, 85.0119

Complementary

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



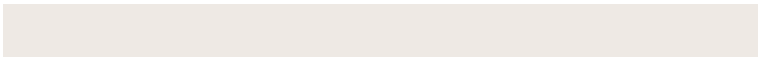
76.6729, 81.8620, 91.8806



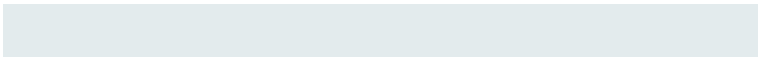
76.8096, 79.5882, 83.9879

Split Complementary

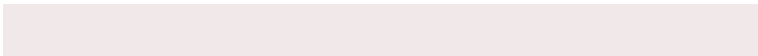
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.3211, 81.8620, 85.2057



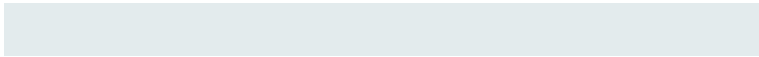
76.6729, 81.8620, 91.8806



79.2786, 81.8620, 88.4135

Square

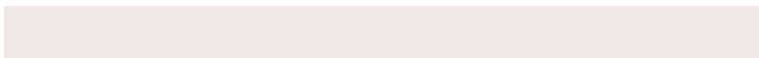
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



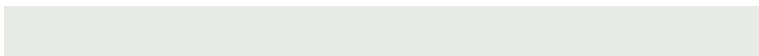
76.6729, 81.8620, 91.8806



78.7607, 81.8620, 92.4388



78.9530, 81.8620, 86.4423



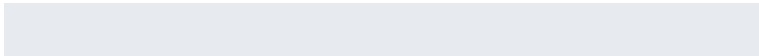
76.8618, 81.8620, 85.9085

Rectangle

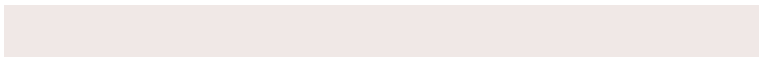
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



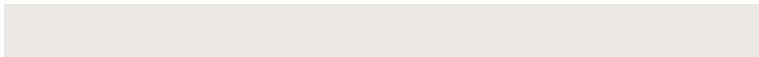
76.6729, 81.8620, 91.8806



77.8019, 81.8620, 93.4506



78.9530, 81.8620, 86.4423



77.8129, 81.8620, 84.9521

Sweetspot

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



76.6752, 81.8655, 91.8824



93.9559, 99.1952, 108.8023



76.0835, 82.5484, 85.9313



20.1220, 21.2404, 23.2892



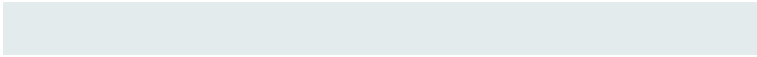
0.0000, 0.0000, 0.0000



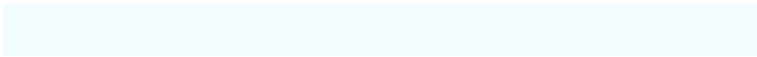
20.3446, 21.4041, 23.3091

Same Dimension

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



76.6752, 81.8655, 91.8824



89.7073, 96.0485, 108.4189



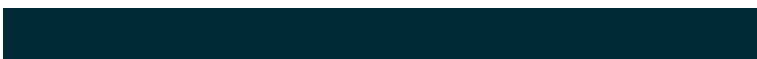
75.3090, 79.1330, 91.4270



15.9249, 17.0899, 19.3816



18.4575, 23.5619, 47.3181



1.5142, 1.9798, 3.7372

Inverse Universe

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



77.3913, 78.9423, 89.7599



90.7095, 91.9703, 105.4451



78.1668, 82.3026, 84.4403



16.1270, 16.2697, 18.7814



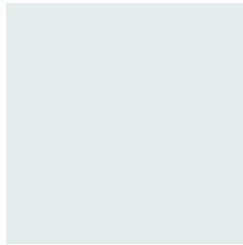
24.1718, 11.8714, 27.7696



1.9308, 0.9453, 2.3529

Previews

White Background



This preview shows how the XYZ color 76.6729, 81.8620, 91.8806 looks on a white background.

Color Contrast Check

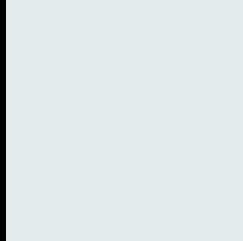
Large Text (above 18pt) WCAG AA × Fail

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 76.6729, 81.8620, 91.8806 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

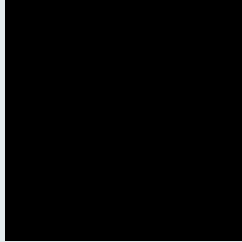
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

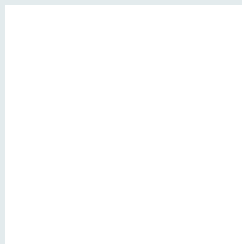
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 76.6729, 81.8620, 91.8806

Background



This preview shows how black text looks on a background with the XYZ color 76.6729, 81.8620, 91.8806.



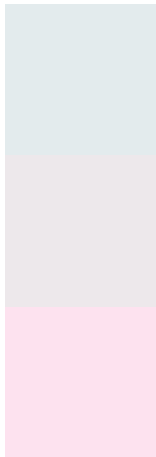
This preview shows how white text looks on a background with the XYZ color 76.6729, 81.8620,

91.8806.

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

76.6729, 81.8620, 91.8806

Protanopia

78.7771, 81.7159, 90.2180

Deuteranopia

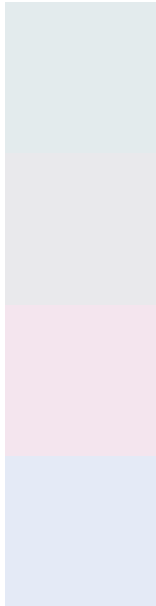
83.2844, 81.5074, 93.0043



Tritanopia

78.8646, 81.9009, 102.9186

Trichromacy



Original Color

76.6729, 81.8620, 91.8806

Protanomaly

77.8835, 81.6576, 91.0135

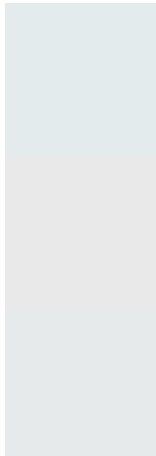
Deuteranomaly

80.7602, 81.4448, 92.3528

Tritanomaly

78.0523, 81.9934, 98.9013

Monochromacy



Original Color

76.6729, 81.8620, 91.8806

Achromatopsia

77.4512, 81.4847, 88.7368

Achromatomaly

77.2291, 81.7751, 89.5557

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.6729, 81.8620, 91.8806 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(227, 235, 237) looks like.

```
.text, #text, p{  
    color:rgb(227, 235, 237)  
}
```

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(227, 235, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 235, 237) }
```

Border

The CSS property to change the border of an element to XYZ 76.6729, 81.8620, 91.8806 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(227, 235, 237) }
```


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

```
.border{ border-color:rgb(227, 235, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 235, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 235, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 235, 237);  
box-shadow:4px 4px 4px 4px rgb(227, 235,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 76.6729, 81.8620, 91.8806 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 235, 237) }
```

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

```
.background{ background-color: rgb(227,  
235, 237) }
```

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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