

Converting Colors

XYZ(75.7636, 80.3372, 89.8081)

Have a look what the booklet for
XYZ(75.7636, 80.3372, 89.8081)
contains.

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Color

**XYZ(75.8469, 80.2054,
90.0809)**

Conversions

Conversions Part 1

Format	Color
Hex	E4E8EB
RGB	228, 232, 235
RGB Percent	89%, 91%, 92%
CMY	0.1059, 0.0902, 0.0784
CMYK	0.03, 0.01, 0.00, 0.08
HSL	206°, 15%, 91%
HSV	206°, 3%, 92%
XYZ	75.8469, 80.2054, 90.0809
YIQ	231.1460, -3.3470, 0.0850

Conversions

Conversions Part 2

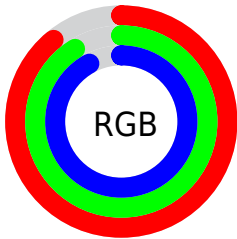
Format	Color
R _Y B	228, 231, 235
Decimal	15001835
CIE Lab	91.78, -0.79, -1.93
CIE LCh	92, 2.085, 247.870
Yxy	80.2054, 0.3082, 0.3259
Android (android.graphics.Color)	4293191915 (0xFFE4E8EB)
YUV	231.1460, 1.9000, -2.7590
Hunter-Lab	89.5575, -5.5526, 3.0537

Details

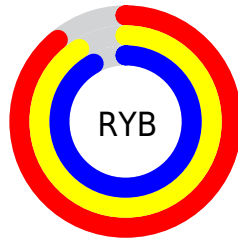
The XYZ color **75.8469, 80.2054, 90.0809** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **76.8405, 80.4144, 84.8715**, and the grayscale version is **76.0544, 80.0151, 87.1365**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.8956, 43.1896, 48.8288** is the 20% darker color. If you saturate the color by 10%, you get **66.1424, 71.1212, 88.8402**, and if you desaturate by 10%, it is **86.7314, 90.1430, 91.4266**.

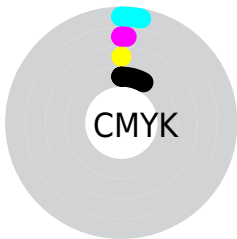
Distribution



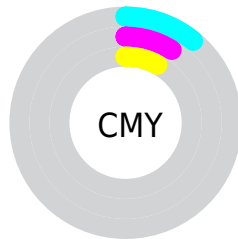
- Red (89%)
- Green (91%)
- Blue (92%)



- Red (89%)
- Yellow (91%)
- Blue (92%)



- Cyan (3%)
- Magenta (1%)
- Yellow (0%)
- Black (8%)



- Cyan (11%)
- Magenta (9%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 75.8469, 80.2054, 90.0809 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 75.8469, 80.2054, 90.0809 by changing the saturation by 10% instead.

■ 75.8469, 80.2054,
90.0809

■ 75.8469, 80.2054,
90.0809

469.7759,
495.6248, 548.8709

■ 56.6036, 59.8874,
67.4737

126.4920,
133.6545, 149.3873

■ 40.9260, 43.3279,
49.0056

158.6245,
167.5543, 186.9235

■ 28.4487, 30.1425,
34.2583

195.7840,
206.7503, 230.2731

■ 18.8063, 19.9467,
22.8131

238.3361,
251.6267, 279.8546

■ 11.6336, 12.3563,
14.2516

286.6459,
302.5679, 336.0866

■ 6.5651, 6.9868,
8.1551

341.0789,

■ 3.2355, 3.4539,

359.9584, 399.3876

4.1052

402.0005,
424.1826, 470.1762

■ 1.2795, 1.3730,
1.6832

■ 0.1678, 0.1967,
0.3492

■ 75.8469, 80.2054,
90.0809

■ 75.8469, 80.2054,
90.0809

■ 66.1424, 71.1212,
88.8402

■ 86.7314, 90.1430,
91.4266

■ 57.5678, 62.8537,
87.6963

■ 91.0843, 96.9557,
92.5121

■ 50.0791, 55.3786,
86.6482

■ 91.9956, 98.7783,
92.8159

■ 43.6271, 48.6662,
85.6926

■ 38.1581, 42.6846,
84.8263

■ 33.6134, 37.3989,
84.0456

■ 29.9273, 32.7709,
83.3466

■ 27.0244, 28.7568,
82.7248

■ 24.8140, 25.3050,
82.1750

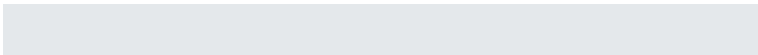
Harmonies

Analogous

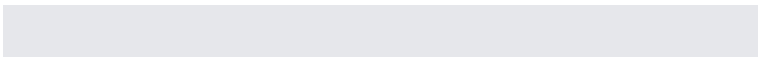
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.4256, 80.2054, 89.1467



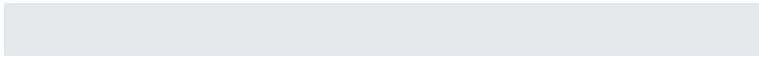
75.8469, 80.2054, 90.0809



76.3734, 80.2054, 90.2738

Triad

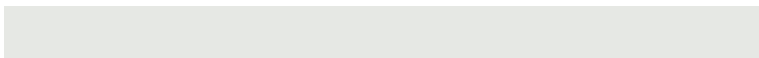
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.8469, 80.2054, 90.0809



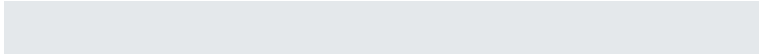
77.2539, 80.2054, 86.9282



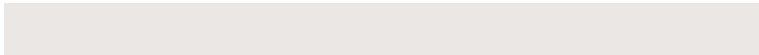
75.6046, 80.2054, 85.0305

Complementary

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



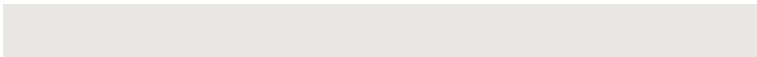
75.8469, 80.2054, 90.0809



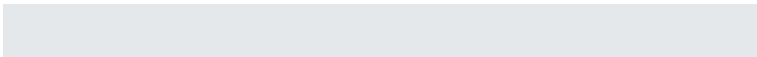
76.8405, 80.4144, 84.8715

Split Complementary

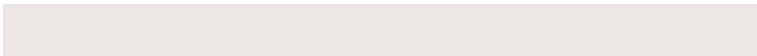
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.0924, 80.2054, 84.4510



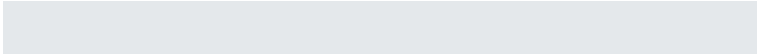
75.8469, 80.2054, 90.0809



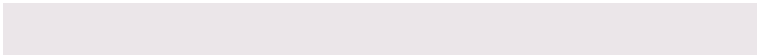
77.0458, 80.2054, 85.5383

Square

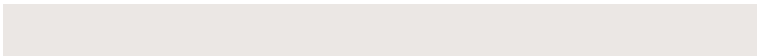
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



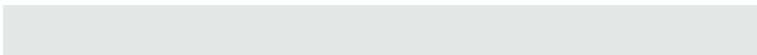
75.8469, 80.2054, 90.0809



77.1874, 80.2054, 88.4419



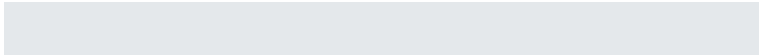
76.6201, 80.2054, 84.6358



75.2862, 80.2054, 86.2276

Rectangle

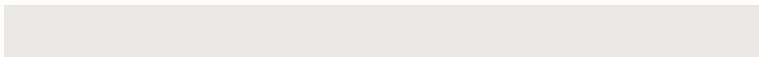
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



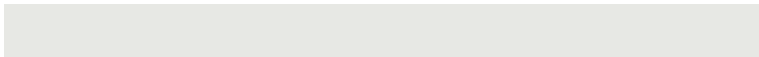
75.8469, 80.2054, 90.0809



76.7136, 80.2054, 89.9540



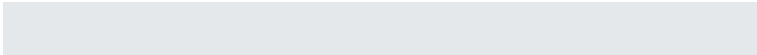
76.6201, 80.2054, 84.6358



75.7541, 80.2054, 84.7576

Sweetspot

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



75.8492, 80.2088, 90.0827



93.7709, 98.8252, 108.7407



76.1164, 81.6767, 87.2942



20.0843, 21.1651, 23.2767



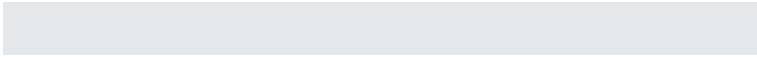
0.0000, 0.0000, 0.0000



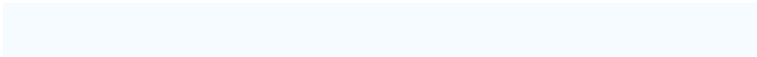
20.3446, 21.4041, 23.3091

Same Dimension

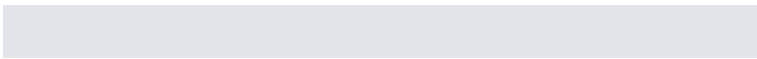
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.8492, 80.2088, 90.0827



90.0195, 95.3626, 108.2700



74.8956, 78.3016, 89.7648



15.9458, 16.9128, 19.3463



13.2517, 13.1505, 45.5828



1.1357, 1.2229, 3.6111

Inverse Universe

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



76.5716, 78.9766, 87.5563



91.1869, 93.3859, 104.1841



77.8073, 82.3481, 85.1938



16.1909, 16.4997, 18.4877



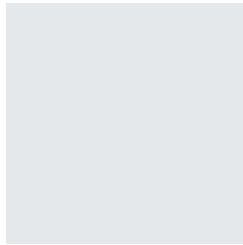
21.5442, 10.8204, 13.9328



1.7398, 0.8689, 1.3469

Previews

White Background



This preview shows how the XYZ color 75.8469, 80.2054, 90.0809 looks on a white background.

Color Contrast Check

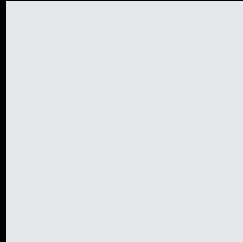
Large Text (above 18pt) WCAG AA × Fail

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 75.8469, 80.2054, 90.0809 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

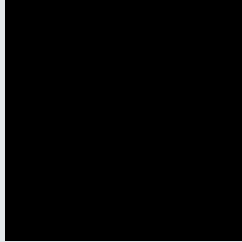
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

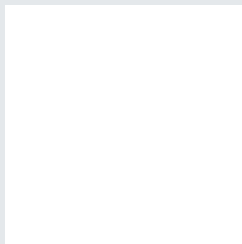
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 75.8469, 80.2054, 90.0809

Background



This preview shows how black text looks on a background with the XYZ color 75.8469, 80.2054, 90.0809.



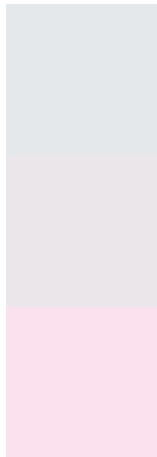
This preview shows how white text looks on a background with the XYZ color 75.8469, 80.2054,

90.0809.

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

75.8469, 80.2054, 90.0809

Protanopia

77.0798, 80.0266, 89.2260

Deuteranopia

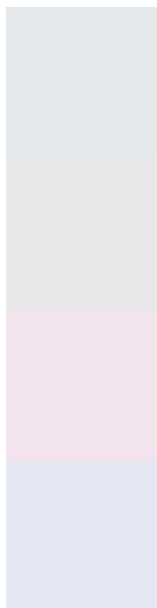
81.7254, 79.9350, 91.2424



Tritanopia

77.8732, 80.1939, 100.1816

Trichromacy



Original Color

75.8469, 80.2054, 90.0809

Protanomaly

76.7059, 80.2481, 89.2885

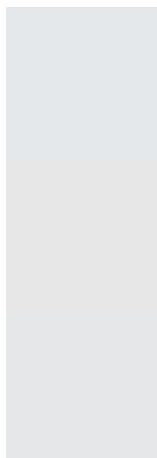
Deuteranomaly

79.5716, 80.0490, 90.6140

Tritanomaly

77.0667, 80.2809, 96.2279

Monochromacy



Original Color

75.8469, 80.2054, 90.0809

Achromatopsia

75.9547, 79.9103, 87.0223

Achromatomaly

75.7745, 79.8010, 87.7533

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.8469, 80.2054, 90.0809 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(228, 232, 235) looks like.

```
.text, #text, p{  
    color:rgb(228, 232, 235)  
}
```

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(228, 232, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 232, 235) }
```

Border

The CSS property to change the border of an element to XYZ 75.8469, 80.2054, 90.0809 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(228, 232, 235) }
```


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

```
.border{ border-color:rgb(228, 232, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 232, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 232, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 232, 235);  
box-shadow:4px 4px 4px 4px rgb(228, 232,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 75.8469, 80.2054, 90.0809 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 232, 235) }
```

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

```
.background{ background-color: rgb(228,  
232, 235) }
```

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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