

Converting Colors

XYZ(75.9237, 79.7422, 84.7133)

Have a look what the booklet for
XYZ(75.9237, 79.7422, 84.7133)
contains.

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Color

**XYZ(76.1838, 80.0769,
84.8399)**

Conversions

Conversions Part 1

Format	Color
Hex	E9E7E4
RGB	233, 231, 228
RGB Percent	91%, 91%, 89%
CMY	0.0863, 0.0941, 0.1059
CMYK	0.00, 0.01, 0.02, 0.09
HSL	36°, 10%, 90%
HSV	36°, 2%, 91%
XYZ	76.1838, 80.0769, 84.8399
YIQ	231.2560, 2.1550, -0.5090

Conversions

Conversions Part 2

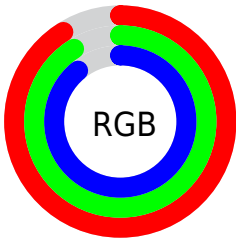
Format	Color
R _Y B	231, 233, 228
Decimal	15329252
CIE Lab	91.72, 0.15, 1.68
CIE LCh	92, 1.691, 84.956
Yxy	80.0769, 0.3160, 0.3321
Android (android.graphics.Color)	4293519332 (0xFFE9E7E4)
YUV	231.2560, -1.6052, 1.5295
Hunter-Lab	89.4857, -4.6337, 6.4281

Details

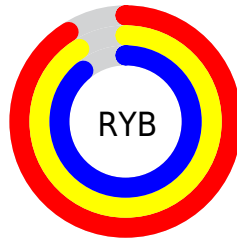
The XYZ color **76.1838, 80.0769, 84.8399** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **74.9998, 78.9698, 88.3817**, and the grayscale version is **76.1587, 80.1248, 87.2559**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.0043, 43.0242, 45.6785** is the 20% darker color. If you saturate the color by 10%, you get **70.6309, 73.8027, 68.0916**, and if you desaturate by 10%, it is **82.3155, 86.8091, 103.9338**.

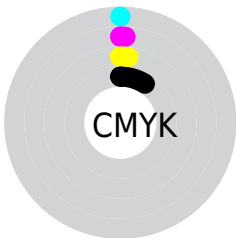
Distribution



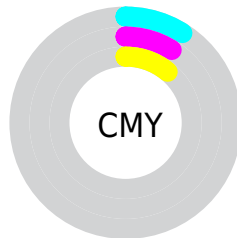
- Red (91%)
- Green (91%)
- Blue (89%)



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



- Cyan (0%)
- Magenta (1%)
- Yellow (2%)
- Black (9%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.1838, 80.0769, 84.8399 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 76.1838, 80.0769, 84.8399 by changing the saturation by 10% instead.

■ 76.1838, 80.0769,
84.8399

■ 76.1838, 80.0769,
84.8399

470.9114,
495.1920, 531.2289

■ 56.8808, 59.7816,
63.1597

126.9657,
133.4738, 142.0216

■ 41.1493, 43.2427,
45.5286

159.1752,
167.3443, 178.3603

■ 28.6240, 30.0755,
31.5280

196.4177,
206.5086, 220.4222

■ 18.9394, 19.8959,
20.7394

239.0585,
251.3512, 268.6258

■ 11.7302, 12.3194,
12.7443

287.4629,
302.2564, 323.3898

■ 6.6312, 6.9616,
7.1240

341.9963,

■ 3.2768, 3.4381,

359.6087, 385.1326

3.4602

403.0240,
423.7924, 454.2728

■ 1.3018, 1.3645,
1.3341

■ 0.1845, 0.1903,
0.0895

■ 76.1838, 80.0769,
84.8399

■ 76.1838, 80.0769,
84.8399

■ 70.6309, 73.8027,
68.0916

■ 82.3155, 86.8091,
103.9338

■ 65.6308, 67.9651,
53.5918

■ 85.7189, 92.6721,
107.9774

■ 61.1648, 62.5556,
41.2442

■ 87.4148, 96.0639,
108.5427

■ 57.2111, 57.5620,
30.9435

■ 53.7458, 52.9709,
22.5757

■ 50.7428, 48.7683,
16.0150

■ 48.1732, 44.9387,
11.1210

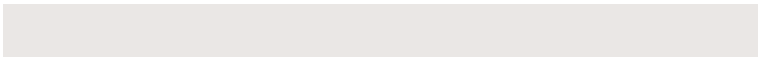
■ 46.0039, 41.4648,
7.7320

■ 44.1956, 38.3269,
5.6537

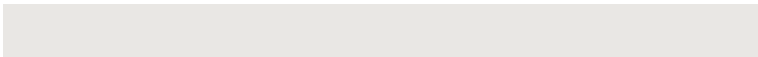
Harmonies

Analogous

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



76.5890, 80.0769, 85.2554



76.1838, 80.0769, 84.8399



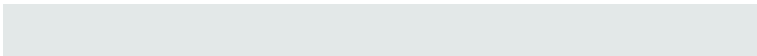
75.7605, 80.0769, 85.0493

Triad

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



76.1838, 80.0769, 84.8399



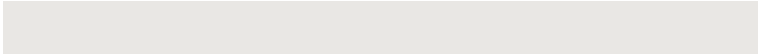
75.3595, 80.0769, 88.1986



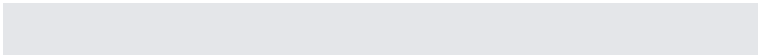
76.7934, 80.0769, 88.5644

Complementary

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



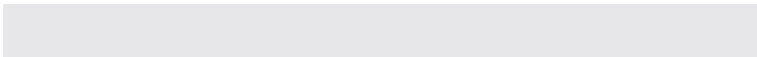
76.1838, 80.0769, 84.8399



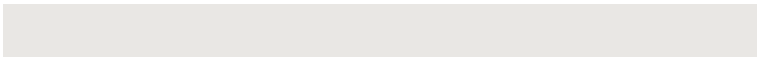
74.9998, 78.9698, 88.3817

Split Complementary

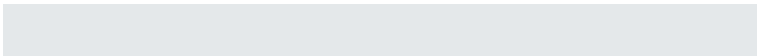
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.4620, 80.0769, 89.3666



76.1838, 80.0769, 84.8399



75.6343, 80.0769, 89.1540

Square

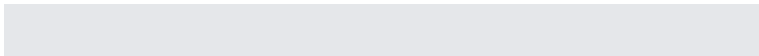
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.1838, 80.0769, 84.8399



75.2856, 80.0769, 86.9810



76.0376, 80.0769, 89.5834



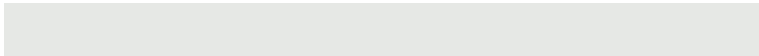
76.9418, 80.0769, 87.3996

Rectangle

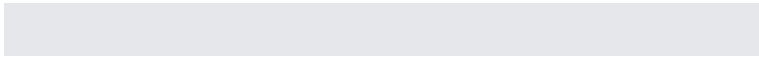
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



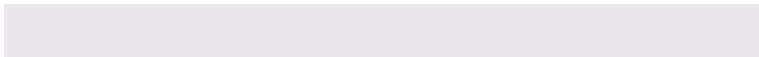
76.1838, 80.0769, 84.8399



75.5248, 80.0769, 85.5161



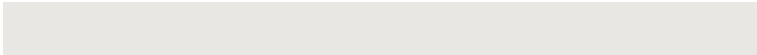
76.0376, 80.0769, 89.5834



76.6996, 80.0769, 88.8858

Sweetspot

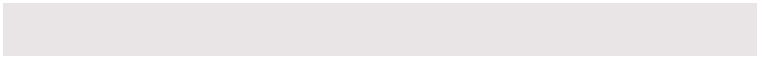
The Sweet Spot groups the original color and five complimentary colors.



76.1861, 80.0804, 84.8416



94.3182, 99.1891, 106.6441



75.6318, 78.5249, 86.0347



20.1957, 21.2391, 22.8500



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.



76.1861, 80.0804, 84.8416



92.8761, 97.5840, 102.2196



76.5849, 81.1201, 85.0213



16.5146, 17.3452, 17.9849



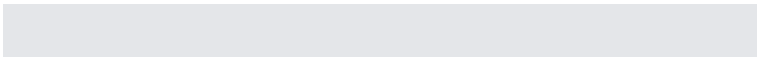
24.5124, 20.7190, 2.7072



2.0185, 1.8142, 0.2438

Inverse Universe

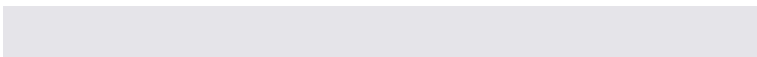
The Inverse Universe completely reimagines the original color for something new.



74.9998, 78.9698, 88.3817



90.8426, 95.6804, 108.2880



74.6064, 77.9472, 88.2050



16.0600, 16.9196, 19.3416



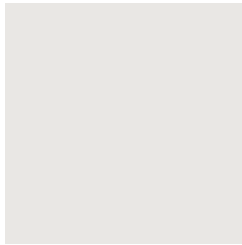
10.6809, 8.0087, 44.7259



0.9305, 0.8124, 3.5426

Previews

White Background



This preview shows how the XYZ color 76.1838, 80.0769, 84.8399 looks on a white background.

Color Contrast Check

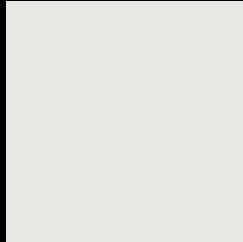
Large Text (above 18pt) WCAG AA × Fail

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 76.1838, 80.0769, 84.8399 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

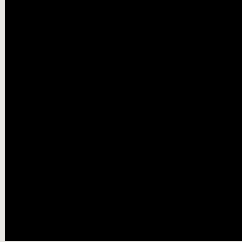
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

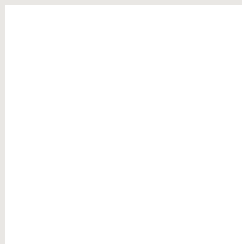
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 76.1838, 80.0769, 84.8399

Background



This preview shows how black text looks on a background with the XYZ color 76.1838, 80.0769, 84.8399.



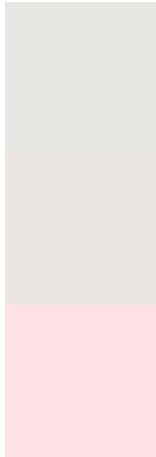
This preview shows how white text looks on a background with the XYZ color 76.1838, 80.0769,

84.8399.

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

76.1838, 80.0769, 84.8399

Protanopia

76.7540, 79.9725, 84.0639

Deuteranopia

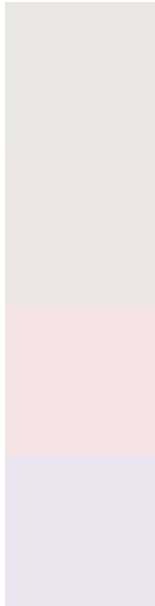
81.6716, 80.0393, 85.2733



Tritanopia

78.9700, 79.9735, 98.4630

Trichromacy



Original Color

76.1838, 80.0769, 84.8399

Protanomaly

76.4229, 79.8018, 84.0484

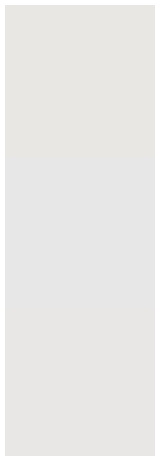
Deuteranomaly

79.6180, 80.1881, 85.4103

Tritanomaly

77.8602, 79.9328, 92.9862

Monochromacy



Original Color

76.1838, 80.0769, 84.8399

Achromatopsia

75.9547, 79.9103, 87.0223

Achromatomaly

76.1376, 80.0208, 86.2956

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.1838, 80.0769, 84.8399 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(233, 231, 228) looks like.

```
.text, #text, p{  
    color:rgb(233, 231, 228)  
}
```

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(233, 231, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 231, 228) }
```

Border

The CSS property to change the border of an element to XYZ 76.1838, 80.0769, 84.8399 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(233, 231, 228) }
```


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

```
.border{ border-color:rgb(233, 231, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 231, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 231, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 231, 228);  
box-shadow:4px 4px 4px 4px rgb(233, 231,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 76.1838, 80.0769, 84.8399 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 231, 228) }
```

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

```
.background{ background-color: rgb(233,  
231, 228) }
```

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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