

Converting Colors

XYZ(76.8351, 80.2009, 77.8487)

Have a look what the booklet for
XYZ(76.8351, 80.2009, 77.8487)
contains.

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Color

**XYZ(76.8869, 80.1808,
77.7537)**

Conversions

Conversions Part 1

Format	Color
Hex	F0E6DA
RGB	240, 230, 218
RGB Percent	94%, 90%, 85%
CMY	0.0588, 0.0980, 0.1451
CMYK	0.00, 0.04, 0.09, 0.06
HSL	33°, 42%, 90%
HSV	33°, 9%, 94%
XYZ	76.8869, 80.1808, 77.7537
YIQ	231.6220, 9.8120, -1.6120

Conversions

Conversions Part 2

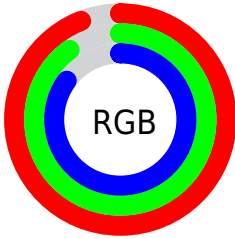
Format	Color
R_{YB}	236, 240, 218
Decimal	15787738
CIE _{Lab}	91.77, 1.37, 7.04
CIE _{LCh}	92, 7.170, 78.966
Yxy	80.1808, 0.3274, 0.3415
Android (android.graphics.Color)	4293977818 (0xFFFF0E6DA)
YUV	231.6220, -6.7156, 7.3475
Hunter-Lab	89.5437, -3.4322, 11.1972

Details

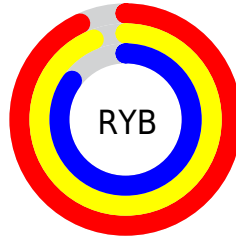
The XYZ color **76.8869, 80.1808, 77.7537** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **72.3849, 76.6823, 93.4251**, and the grayscale version is **76.4645, 80.4466, 87.6064**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.7080, 43.4946, 40.8474** is the 20% darker color. If you saturate the color by 10%, you get **71.0313, 73.1364, 61.4128**, and if you desaturate by 10%, it is **83.3916, 87.7938, 96.5565**.

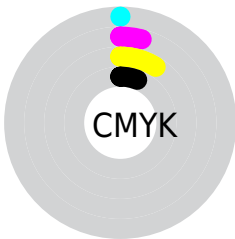
Distribution



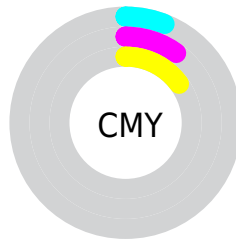
- Red (94%)
- Green (90%)
- Blue (85%)



- Red (93%)
- Yellow (94%)
- Blue (85%)



- Cyan (0%)
- Magenta (4%)
- Yellow (9%)
- Black (6%)





- Cyan (6%)
- Magenta (10%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 76.8869, 80.1808, 77.7537 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 76.8869, 80.1808, 77.7537 by changing the saturation by 10% instead.


 76.8869, 80.1808,
77.7537

 76.8869, 80.1808,
77.7537

473.2762,
495.5419, 506.8357

 57.4597, 59.8671,
57.3564


127.9535,
133.6199, 131.9856

 41.6160, 43.3116,
40.8802


160.3236,
167.5141, 166.6572

 28.9905, 30.1296,
27.9065


197.7386,
206.7040, 206.9241

 19.2179, 19.9370,
18.0168

240.5640,
251.5739, 253.2048

 11.9328, 12.3493,
10.7925

289.1651,
302.5083, 305.9177

 6.7698, 6.9820,
5.8150

343.9073,

 3.3636, 3.4509,

359.8915, 365.4815

2.6660

405.1559,
424.1079, 432.3146

■ 1.3488, 1.3714,
0.9262

■ 0.2193, 0.1955,
0.0000

■ 76.8869, 80.1808,
77.7537

■ 76.8869, 80.1808,
77.7537

■ 71.0313, 73.1364,
61.4128

■ 83.3916, 87.7938,
96.5565

■ 65.7953, 66.6355,
47.4250

■ 88.7379, 95.2500,
108.3158

■ 61.1567, 60.6661,
35.6811

■ 89.7456, 97.2655,
108.6518

■ 57.0892, 55.2120,
26.0608

■ 53.5644, 50.2556,
18.4327

■ 50.5509, 45.7783,
12.6505

■ 48.0132, 41.7595,
8.5475

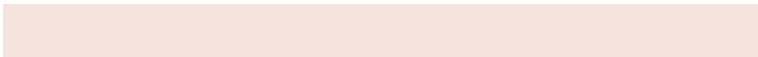
■ 45.9099, 38.1758,
5.9263

■ 44.1795, 34.9958,
4.4838

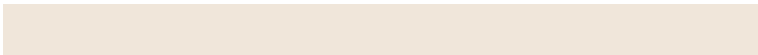
Harmonies

Analogous

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



78.5500, 80.1808, 79.8988



76.8869, 80.1808, 77.7537



75.0682, 80.1808, 78.0892

Triad

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



76.8869, 80.1808, 77.7537



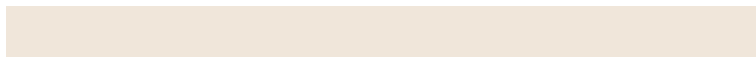
72.9203, 80.1808, 90.6296



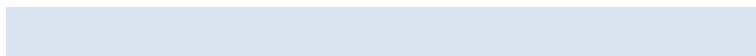
78.9027, 80.1808, 94.1084

Complementary

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



76.8869, 80.1808, 77.7537



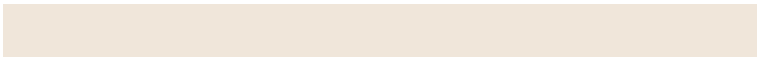
72.3849, 76.6823, 93.4251

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.



77.3622, 80.1808, 97.2151



76.8869, 80.1808, 77.7537



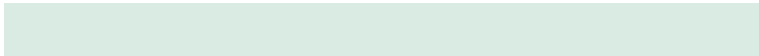
73.9159, 80.1808, 95.1516

Square

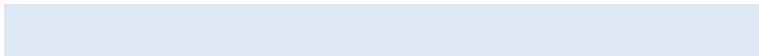
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.8869, 80.1808, 77.7537



72.7977, 80.1808, 85.3831



75.5360, 80.1808, 97.6044



79.7262, 80.1808, 89.2520

Rectangle

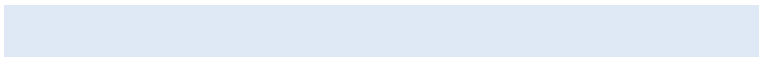
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.8869, 80.1808, 77.7537



74.0115, 80.1808, 79.6780



75.5360, 80.1808, 97.6044



78.4504, 80.1808, 95.4001

Sweetspot

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



76.8891, 80.1843, 77.7554



92.7437, 97.3194, 102.1755



75.0483, 74.2855, 83.9772



19.7215, 20.6792, 21.4946



0.0000, 0.0000, 0.0000



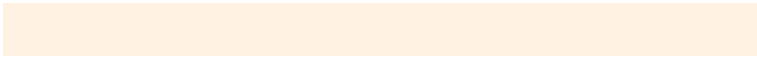
20.3446, 21.4041, 23.3091

Same Dimension

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



76.8891, 80.1843, 77.7554



86.9264, 90.4597, 85.5158



79.5027, 85.7804, 78.6978



16.4876, 17.1883, 16.5984



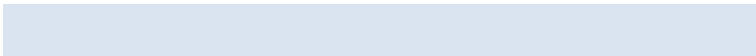
24.2460, 19.2901, 2.4455



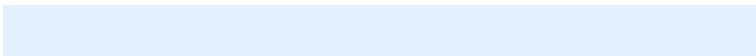
2.1164, 1.8034, 0.2365

Inverse Universe

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



72.3849, 76.6823, 93.4251



80.7830, 85.6833, 106.8885



69.9339, 71.4540, 92.5452



15.4888, 16.4118, 20.0730



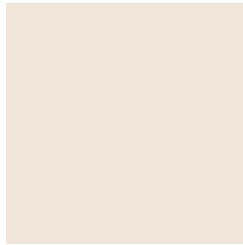
11.7353, 9.6948, 46.3806



1.0744, 1.0029, 3.8912

Previews

White Background



This preview shows how the XYZ color 76.8869, 80.1808, 77.7537 looks on a white background.

Color Contrast Check

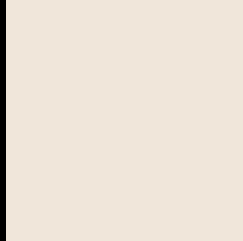
Large Text (above 18pt) WCAG AA × Fail

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 76.8869, 80.1808, 77.7537 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

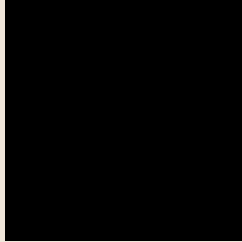
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

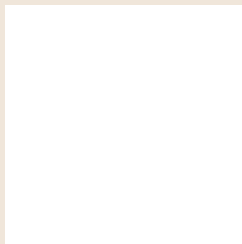
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 76.8869, 80.1808, 77.7537

Background



This preview shows how black text looks on a background with the XYZ color 76.8869, 80.1808, 77.7537.

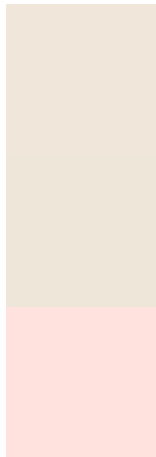


This preview shows how white text looks on a background with the XYZ color 76.8869, 80.1808,

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

76.8869, 80.1808, 77.7537

Protanopia

76.5483, 80.0063, 77.7379

Deuteranopia

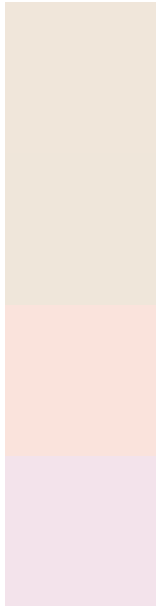
81.2164, 80.3309, 79.6315



Tritanopia

80.8337, 80.1575, 96.7995

Trichromacy



Original Color

76.8869, 80.1808, 77.7537

Protanomaly

76.5483, 80.0063, 77.7379

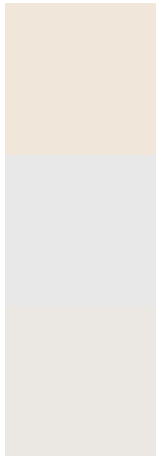
Deuteranomaly

79.8117, 80.4295, 79.0281

Tritanomaly

79.4266, 79.9910, 89.8508

Monochromacy



Original Color

76.8869, 80.1808, 77.7537

Achromatopsia

76.7008, 80.6952, 87.8771

Achromatomaly

76.7020, 80.3600, 84.1415

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.8869, 80.1808, 77.7537 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(240, 230, 218) looks like.

```
.text, #text, p{  
    color:rgb(240, 230, 218)  
}
```

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(240, 230, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 230, 218) }
```

Border

The CSS property to change the border of an element to XYZ 76.8869, 80.1808, 77.7537 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(240, 230, 218) }
```


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

```
.border{ border-color:rgb(240, 230, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 230, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 230, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 230, 218);  
box-shadow:4px 4px 4px 4px rgb(240, 230,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 76.8869, 80.1808, 77.7537 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 230, 218) }
```

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

```
.background{ background-color: rgb(240,  
230, 218) }
```

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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