

Converting Colors

XYZ(79.7873, 84.0679, 75.1771)

Have a look what the booklet for
XYZ(79.7873, 84.0679, 75.1771)
contains.

XYZ(80.0117, 84.3878, 75.0222)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(80.0117, 84.3878,
75.0222)**

Conversions

Conversions Part 1

Format	Color
Hex	F6ECD5
RGB	246, 236, 213
RGB Percent	96%, 93%, 84%
CMY	0.0353, 0.0745, 0.1647
CMYK	0.00, 0.04, 0.13, 0.04
HSL	42°, 65%, 90%
HSV	42°, 13%, 96%
XYZ	80.0117, 84.3878, 75.0222
YIQ	236.3680, 13.3430, -5.0330

Conversions

Conversions Part 2

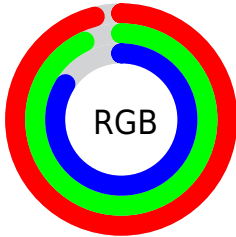
Format	Color
R _Y B	227, 246, 213
Decimal	16182485
CIE Lab	93.62, -0.39, 12.35
CIE LCh	94, 12.357, 91.790
Yxy	84.3878, 0.3342, 0.3525
Android (android.graphics.Color)	4294372565 (0xFFFF6ECD5)
YUV	236.3680, -11.5204, 8.4473
Hunter-Lab	91.8628, -5.2881, 15.8832

Details

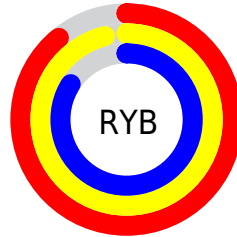
The XYZ color **80.0117, 84.3878, 75.0222** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **70.4626, 73.5739, 97.6769**, and the grayscale version is **80.0911, 84.2620, 91.7614**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.7280, 46.0583, 38.9332** is the 20% darker color. If you saturate the color by 10%, you get **75.0232, 79.0339, 59.1052**, and if you desaturate by 10%, it is **85.5680, 90.1177, 93.4671**.

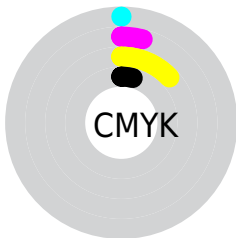
Distribution



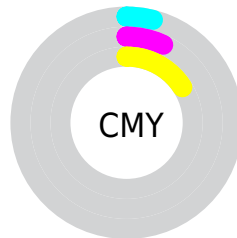
- Red (96%)
- Green (93%)
- Blue (84%)



- Red (89%)
- Yellow (96%)
- Blue (84%)



- Cyan (0%)
- Magenta (4%)
- Yellow (13%)
- Black (4%)



- Cyan (4%)
- Magenta (7%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.0117, 84.3878, 75.0222 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 80.0117, 84.3878, 75.0222 by changing the saturation by 10% instead.


 80.0117, 84.3878,
75.0222

 80.0117, 84.3878,
75.0222


483.7082,
509.6001, 497.2513

 60.0365, 63.3357,
55.1292

132.3326,
139.5175, 128.0912

 43.6976, 46.1128,
39.1059


165.4090,
174.3639, 162.1043

 30.6297, 32.3349,
26.5337


203.5832,
214.5771, 201.6611

 20.4675, 21.6174,
16.9940


247.2205,
260.5416, 247.1804

 12.8456, 13.5760,
10.0683

296.6863,
312.6418, 299.0804

 7.3986, 7.8264,
5.3381

352.3460,

 3.7611, 3.9841,

371.2620, 357.7799

2.3848

414.5648,
436.7866, 423.6974

■ 1.5679, 1.6646,
0.7781

■ 0.3713, 0.4006,
0.0000

■ 80.0117, 84.3878,
75.0222

■ 80.0117, 84.3878,
75.0222

■ 75.0232, 79.0339,
59.1052

■ 85.5680, 90.1177,
93.4671

■ 70.5732, 74.0340,
45.5985

■ 90.5248, 95.7498,
108.3181

■ 66.6401, 69.3807,
34.3829

■ 91.8163, 98.3330,
108.7487

■ 63.1980, 65.0616,
25.3269

■ 60.2181, 61.0636,
18.2858

■ 57.6685, 57.3720,
13.0966

■ 55.5123, 53.9701,
9.5711

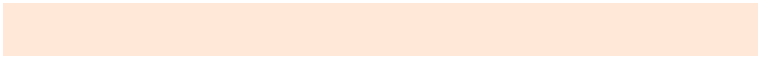
■ 53.7049, 50.8381,
7.4803

■ 52.6622, 48.9047,
6.6640

Harmonies

Analogous

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



83.2196, 84.3878, 76.9000



80.0117, 84.3878, 75.0222



76.9385, 84.3878, 77.4010

Triad

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



80.0117, 84.3878, 75.0222



74.9773, 84.3878, 101.7088



85.8822, 84.3878, 100.6692

Complementary

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



80.0117, 84.3878, 75.0222



70.4626, 73.5739, 97.6769

Split Complementary

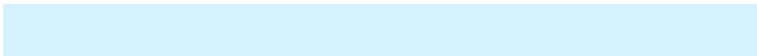
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.5690, 84.3878, 108.0695



80.0117, 84.3878, 75.0222



77.2700, 84.3878, 108.6979

Square

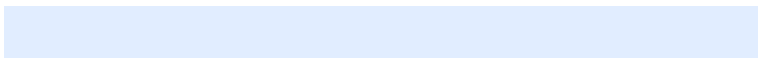
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.0117, 84.3878, 75.0222



74.0813, 84.3878, 92.4480



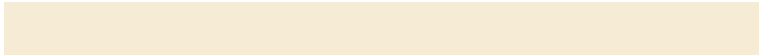
80.4048, 84.3878, 111.1000



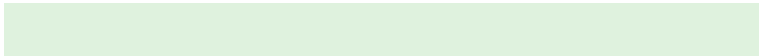
86.6636, 84.3878, 91.3223

Rectangle

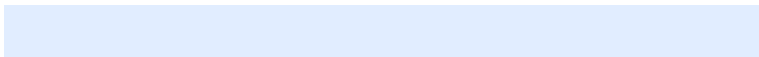
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.0117, 84.3878, 75.0222



75.3645, 84.3878, 81.1812



80.4048, 84.3878, 111.1000



85.2549, 84.3878, 103.4884

Sweetspot

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



80.0140, 84.3915, 75.0240



92.4732, 97.4050, 100.1534



75.1813, 72.5345, 80.1697



19.6918, 20.7458, 21.0958



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.



80.0140, 84.3915, 75.0240



85.3468, 90.0126, 76.6282



80.8851, 89.2329, 75.9126



17.4663, 18.4167, 17.4318



28.2380, 26.3616, 3.6000



2.5720, 2.4971, 0.3464

Inverse Universe

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



70.4626, 73.5739, 97.6769



73.1882, 76.2428, 105.4666



69.6583, 69.3114, 96.8965



15.9904, 16.7451, 20.9319



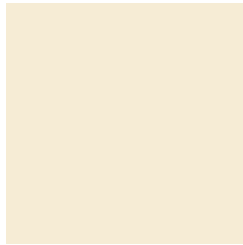
10.3116, 6.4171, 47.2332



0.9929, 0.7372, 4.1802

Previews

White Background



This preview shows how the XYZ color 80.0117, 84.3878, 75.0222 looks on a white background.

Color Contrast Check

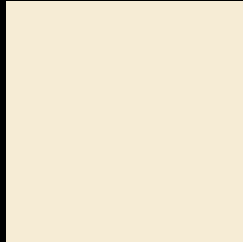
Large Text (above 18pt) WCAG AA × Fail

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 80.0117, 84.3878, 75.0222 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

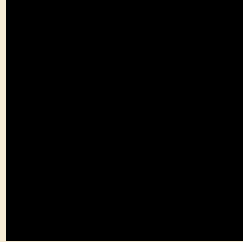
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 80.0117, 84.3878, 75.0222

Background



This preview shows how black text looks on a background with the XYZ color 80.0117, 84.3878, 75.0222.



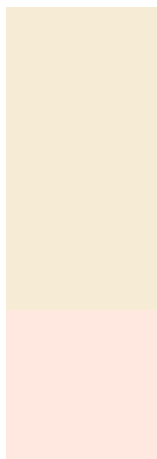
This preview shows how white text looks on a background with the XYZ color 80.0117, 84.3878,

75.0222.

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

80.0117, 84.3878, 75.0222

Protanopia

80.0117, 84.3878, 75.0222

Deuteranopia

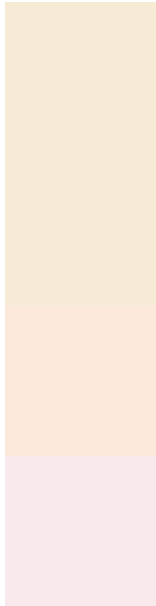
83.5512, 84.3550, 82.3995



Tritanopia

85.4585, 84.5006, 101.4286

Trichromacy



Original Color

80.0117, 84.3878, 75.0222

Protanomaly

80.0117, 84.3878, 75.0222

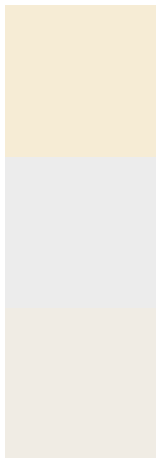
Deuteranomaly

82.2021, 84.1406, 79.6184

Tritanomaly

83.3462, 84.4737, 91.2691

Monochromacy



Original Color

80.0117, 84.3878, 75.0222

Achromatopsia

79.7278, 83.8799, 91.3452

Achromatomaly

79.9342, 84.1176, 85.4221

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.0117, 84.3878, 75.0222 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(246, 236, 213) looks like.

```
.text, #text, p{  
    color:rgb(246, 236, 213)  
}
```

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(246, 236, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 236, 213) }
```

Border

The CSS property to change the border of an element to XYZ 80.0117, 84.3878, 75.0222 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(246, 236, 213) }
```


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

```
.border{ border-color:rgb(246, 236, 213) }
```

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

Here you see how a box with a 4 pixel rgb(246, 236, 213) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 236, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 236, 213);  
box-shadow:4px 4px 4px 4px rgb(246, 236,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 80.0117, 84.3878, 75.0222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 236, 213) }
```

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

```
.background{ background-color: rgb(246,  
236, 213) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor