

Converting Colors

XYZ(83.1513, 82.0890, 75.7580)

Have a look what the booklet for
XYZ(83.1513, 82.0890, 75.7580)
contains.

XYZ(80.9748, 81.1045, 75.6769)	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(80.9748, 81.1045,
75.6769)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE3D7
RGB	255, 227, 215
RGB Percent	100%, 89%, 84%
CMY	0.0000, 0.1098, 0.1569
CMYK	0.00, 0.11, 0.16, 0.00
HSL	18°, 100%, 92%
HSV	18°, 16%, 100%
XYZ	80.9748, 81.1045, 75.6769
YIQ	234.0040, 20.5400, 2.2040

Conversions

Conversions Part 2

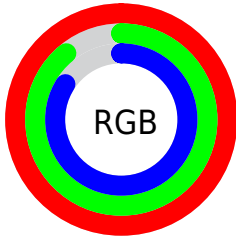
Format	Color
R _Y B	255, 232, 215
Decimal	16770007
CIE Lab	92.18, 7.71, 9.35
CIE LCh	92, 12.122, 50.505
Yxy	81.1045, 0.3406, 0.3411
Android (android.graphics.Color)	4294960087 (0xFFFFE3D7)
YUV	234.0040, -9.3690, 18.4135
Hunter-Lab	90.0580, 2.8950, 13.2185

Details

The XYZ color **80.9748, 81.1045, 75.6769** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **78.1241, 85.7658, 107.0446**, and the grayscale version is **78.2693, 82.3454, 89.6741**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.3864, 44.0489, 39.4206** is the 20% darker color. If you saturate the color by 10%, you get **73.3195, 70.6352, 58.1997**, and if you desaturate by 10%, it is **89.6508, 92.7971, 96.0159**.

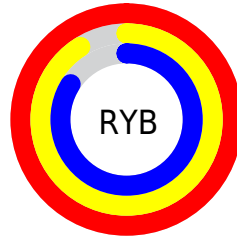
Distribution



Red (100%)

Green (89%)

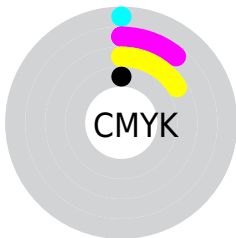
Blue (84%)



Red (100%)

Yellow (91%)

Blue (84%)

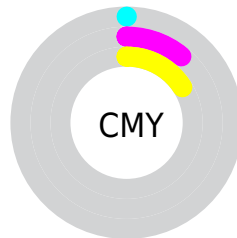


Cyan (0%)

Magenta (11%)

Yellow (16%)

Black (0%)



Cyan (0%)


Magenta (11%)

Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.9748, 81.1045, 75.6769 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 80.9748, 81.1045, 75.6769 by changing the saturation by 10% instead.

 80.9748, 81.1045,
75.6769

 80.9748, 81.1045,
75.6769


486.8986,
498.6473, 499.5583

 60.8321, 60.6277,
55.6625


133.6787,
134.9175, 129.0260

 44.3417, 43.9248,
39.5302


166.9706,
169.0224, 163.1978

 31.1383, 30.6114,
26.8615


205.3763,
208.4389, 202.9258

 20.8565, 20.3031,
17.2377

249.2611,
253.5512, 248.6286

 13.1310, 12.6156,
10.2404

298.9904,
304.7438, 300.7247

 7.5964, 7.1644,
5.4509

354.9295,

 3.8874, 3.5651,

362.4011, 359.6327

2.4509

417.4437,
426.9075, 425.7710

■ 1.6387, 1.4334,
0.8139

■ 0.4174, 0.2411,
0.0000

■ 80.9748, 81.1045,
75.6769

■ 80.9748, 81.1045,
75.6769

■ 73.3195, 70.6352,
58.1997

■ 89.6508, 92.7971,
96.0159

■ 66.6401, 61.3386,
43.4500

95.0500, 100.0000,
108.9000

■ 60.8970, 53.1757,
31.2900

■ 56.0454, 46.1017,
21.5679

■ 52.0368, 40.0681,
14.1159

■ 48.8171, 35.0229,
8.7448

■ 46.3253, 30.9088,
5.2339

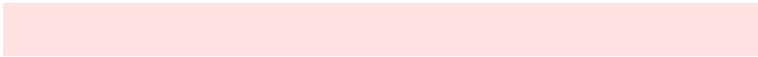
■ 44.4888, 27.6609,
3.3109

■ 43.8613, 26.5026,
2.8038

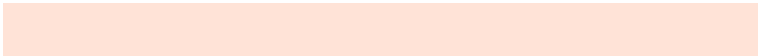
Harmonies

Analogous

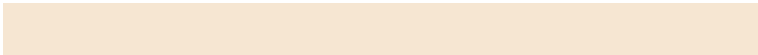
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.8570, 81.1045, 82.4137



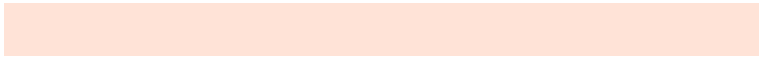
80.9748, 81.1045, 75.6769



78.0834, 81.1045, 72.3916

Triad

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



80.9748, 81.1045, 75.6769



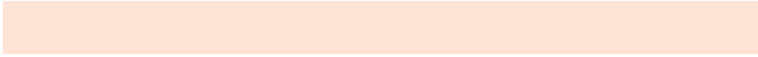
71.3082, 81.1045, 85.4991



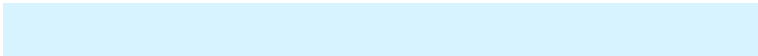
79.2127, 81.1045, 105.4384

Complementary

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



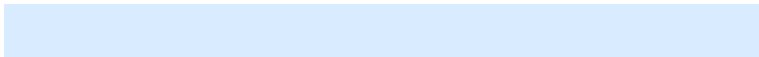
80.9748, 81.1045, 75.6769



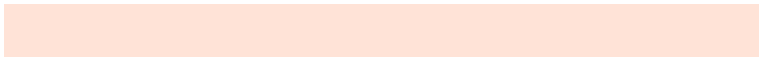
78.1241, 85.7658, 107.0446

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.



76.0999, 81.1045, 106.4037



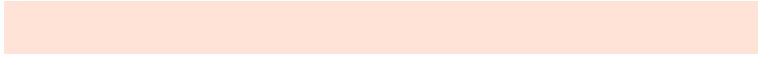
80.9748, 81.1045, 75.6769



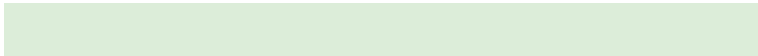
71.5921, 81.1045, 94.4790

Square

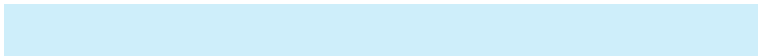
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.9748, 81.1045, 75.6769



72.5403, 81.1045, 77.8043



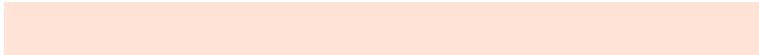
73.3264, 81.1045, 102.2740



81.8207, 81.1045, 99.7191

Rectangle

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



80.9748, 81.1045, 75.6769



75.9964, 81.1045, 72.4378



73.3264, 81.1045, 102.2740



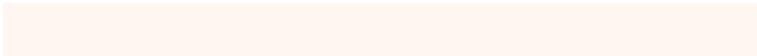
78.1888, 81.1045, 106.3440

Sweetspot

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



80.9768, 81.1080, 75.6786



90.2837, 93.6440, 97.5180



81.7186, 76.3328, 95.2211



19.1856, 19.8579, 20.5434



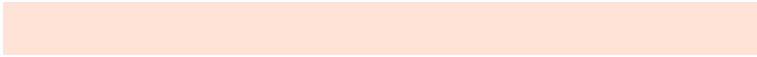
0.0000, 0.0000, 0.0000



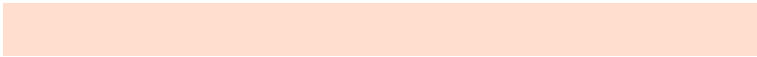
20.3446, 21.4041, 23.3091

Same Dimension

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



80.9768, 81.1080, 75.6786



78.3281, 77.5041, 69.5749



86.7668, 92.6881, 77.6086



18.4537, 18.8757, 18.8151



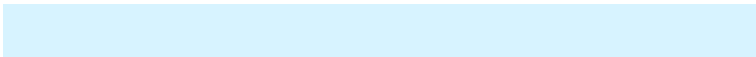
23.0317, 14.0747, 1.5028



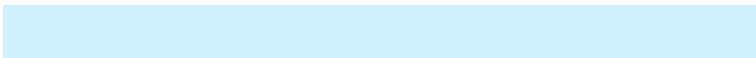
2.3333, 1.5519, 0.1766

Inverse Universe

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



78.1241, 85.7658, 107.0446



74.9519, 83.0113, 106.6801



72.4629, 74.4434, 105.1576



18.0676, 19.5069, 23.0629



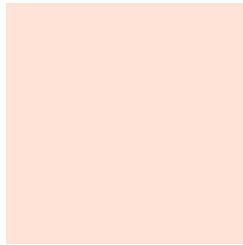
17.9360, 20.7815, 52.5005



1.8421, 2.2150, 5.1437

Previews

White Background



This preview shows how the XYZ color 80.9748, 81.1045, 75.6769 looks on a white background.

Color Contrast Check

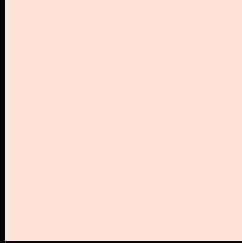
Large Text (above 18pt) WCAG AA × Fail

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 80.9748, 81.1045, 75.6769 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

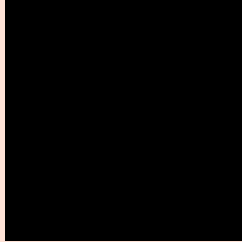
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

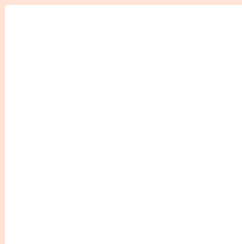
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.9748, 81.1045, 75.6769

Background



This preview shows how black text looks on a background with the XYZ color 80.9748, 81.1045, 75.6769.



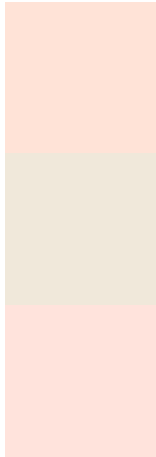
This preview shows how white text looks on a background with the XYZ color 80.9748, 81.1045,

75.6769.

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

80.9748, 81.1045, 75.6769

Protanopia

77.4467, 81.3004, 77.9403

Deuteranopia

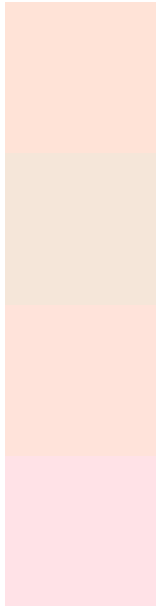
81.6274, 81.3655, 79.1130



Tritanopia

83.8934, 81.4017, 93.7285

Trichromacy



Original Color

80.9748, 81.1045, 75.6769

Protanomaly

78.4774, 81.0159, 77.1471

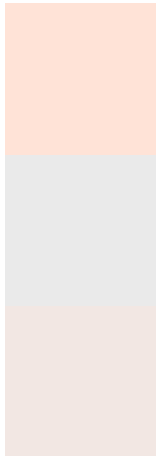
Deuteranomaly

81.3640, 81.2601, 77.7261

Tritanomaly

82.8602, 81.4222, 86.9502

Monochromacy



Original Color

80.9748, 81.1045, 75.6769

Achromatopsia

78.2058, 82.2786, 89.6014

Achromatomaly

79.0590, 81.5751, 84.2518

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.9748, 81.1045, 75.6769 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(255, 227, 215)` looks like.

```
.text, #text, p{  
    color:rgb(255, 227, 215)  
}
```

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(255, 227, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 227, 215) }
```

Border

The CSS property to change the border of an element to XYZ 80.9748, 81.1045, 75.6769 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(255, 227, 215) }
```


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

```
.border{ border-color:rgb(255, 227, 215) }
```

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

Here you see how a box with a 4 pixel rgb(255, 227, 215) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 227, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 227, 215);  
box-shadow:4px 4px 4px 4px rgb(255, 227,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 80.9748, 81.1045, 75.6769 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 227, 215) }
```

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

```
.background{ background-color: rgb(255,  
227, 215) }
```

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