

Converting Colors

XYZ(87.9876, 85.5195, 57.6420)

Have a look what the booklet for
XYZ(87.9876, 85.5195, 57.6420)
contains.

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Color

**XYZ(77.7404, 80.2496,
57.2913)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE4B9
RGB	255, 228, 185
RGB Percent	100%, 89%, 73%
CMY	0.0000, 0.1059, 0.2745
CMYK	0.00, 0.11, 0.27, 0.00
HSL	37°, 100%, 86%
HSV	37°, 27%, 100%
XYZ	77.7404, 80.2496, 57.2913
YIQ	231.1710, 29.8950, -7.6490

Conversions

Conversions Part 2

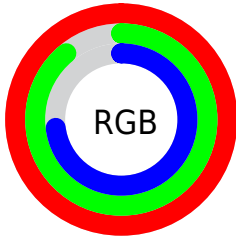
Format	Color
R _Y B	229, 255, 185
Decimal	16770233
CIE Lab	91.80, 2.96, 24.39
CIE LCh	92, 24.572, 83.088
Yxy	80.2496, 0.3611, 0.3728
Android (android.graphics.Color)	4294960313 (0xFFFFE4B9)
YUV	231.1710, -22.7623, 20.8980
Hunter-Lab	89.5821, -1.8644, 24.7892

Details

The XYZ color **77.7404, 80.2496, 57.2913** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **61.6004, 64.6193, 103.8338**, and the grayscale version is **76.2332, 80.2033, 87.3414**.

A 20% lighter version of the original color is **92.8772, 99.1309, 97.4581**, and **42.3971, 43.5589, 28.0029** is the 20% darker color. If you saturate the color by 10%, you get **72.6579, 74.0131, 43.4862**, and if you desaturate by 10%, it is **83.4635, 86.9942, 73.6937**.

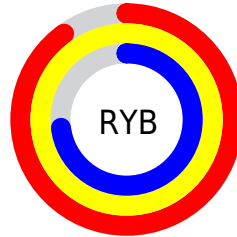
Distribution



Red (100%)

Green (89%)

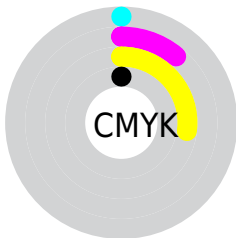
Blue (73%)



Red (90%)

Yellow (100%)

Blue (73%)

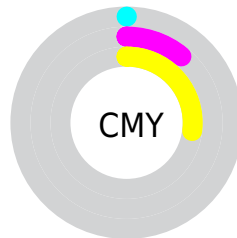


Cyan (0%)

Magenta (11%)

Yellow (27%)

Black (0%)



Cyan (0%)


Magenta (11%)


Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 77.7404, 80.2496, 57.2913 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 77.7404, 80.2496, 57.2913 by changing the saturation by 10% instead.


 77.7404, 80.2496,
57.2913

 77.7404, 80.2496,
57.2913


476.1381,
495.7736, 432.0642

 58.1628, 59.9238,
40.8282


 129.1514,
133.7166, 102.3947

 42.1833, 43.3572,
27.8662


161.7155,
167.6266, 131.8720

 29.4366, 30.1655,
17.9867


199.3392,
206.8334, 166.5246

 19.5573, 19.9642,
10.7711

242.3877,
251.7214, 206.7709

 12.1800, 12.3690,
5.8009

291.2265,
302.6750, 253.0295

 6.9395, 6.9955,
2.6576

346.2210,

 3.4703, 3.4593,

360.0787, 305.7189

0.9220

407.7363,
424.3167, 365.2576

■ 1.4071, 1.3760,
0.0000

■ 0.2612, 0.1989,
0.0000

■ 77.7404, 80.2496,
57.2913

■ 77.7404, 80.2496,
57.2913

■ 72.6579, 74.0131,
43.4862

■ 83.4635, 86.9942,
73.6937

■ 68.1818, 68.2585,
32.1366

■ 89.8478, 94.2506,
92.8150

■ 64.2834, 62.9730,
23.0947

95.0500, 100.0000,
108.9000

■ 60.9285, 58.1387,
16.1946

■ 58.0788, 53.7357,
11.2478

■ 55.6895, 49.7418,
8.0326

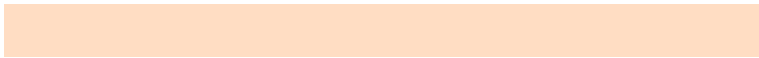
■ 53.7031, 46.1293,
6.2601

■ 53.2401, 45.2602,
5.9300

Harmonies

Analogous

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



83.7759, 80.2496, 62.4940



77.7404, 80.2496, 57.2913



71.6271, 80.2496, 59.2175

Triad

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



77.7404, 80.2496, 57.2913



65.6757, 80.2496, 101.6855



86.3653, 80.2496, 109.8890

Complementary

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



77.7404, 80.2496, 57.2913



61.6004, 64.6193, 103.8338

Split Complementary

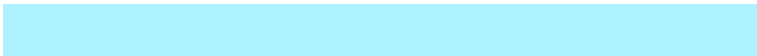
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.1194, 80.2496, 123.2936



77.7404, 80.2496, 57.2913



69.2355, 80.2496, 118.1208

Square

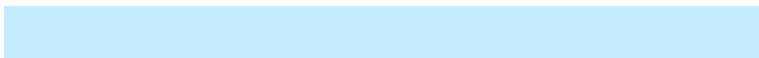
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.7404, 80.2496, 57.2913



64.8813, 80.2496, 83.2735



74.8278, 80.2496, 126.4963



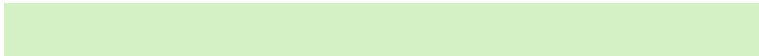
88.9298, 80.2496, 91.6155

Rectangle

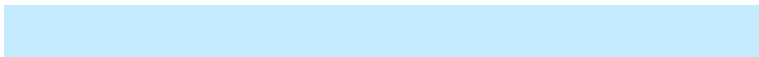
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.7404, 80.2496, 57.2913



68.3033, 80.2496, 64.4333



74.8278, 80.2496, 126.4963



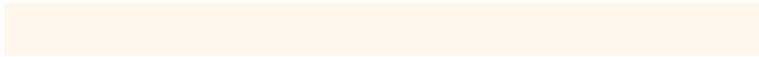
84.8437, 80.2496, 115.2106

Sweetspot

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



77.7423, 80.2532, 57.2930



89.4791, 93.8380, 91.6911



70.5998, 60.7629, 70.9590



18.9386, 19.8453, 18.9767



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.



77.7423, 80.2532, 57.2930



74.8437, 76.7292, 49.3187



83.2286, 94.9794, 59.8462



18.9386, 19.8453, 18.9767



27.9682, 23.9476, 3.1483



2.8291, 2.5436, 0.3418

Inverse Universe

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



61.6004, 64.6193, 103.8338



56.2390, 58.7153, 102.9768



57.1380, 53.1254, 101.8505



17.5773, 18.5262, 22.8994



11.8638, 8.6372, 50.4764



1.2571, 1.0449, 4.9487

Previews

White Background



This preview shows how the XYZ color 77.7404, 80.2496, 57.2913 looks on a white background.

Color Contrast Check

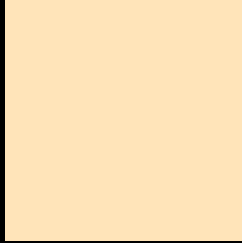
Large Text (above 18pt) WCAG AA × Fail

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 77.7404, 80.2496, 57.2913 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 77.7404, 80.2496, 57.2913

Background



This preview shows how black text looks on a background with the XYZ color 77.7404, 80.2496, 57.2913.



This preview shows how white text looks on a background with the XYZ color 77.7404, 80.2496,

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

77.7404, 80.2496, 57.2913

Protanopia

75.4449, 80.2898, 57.9755

Deuteranopia

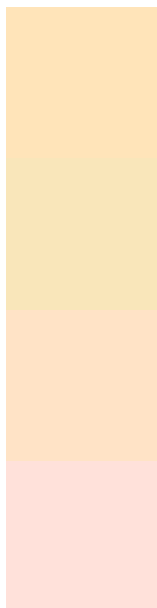
79.5769, 80.1089, 69.6609



Tritanopia

82.9137, 80.1498, 91.2212

Trichromacy



Original Color

77.7404, 80.2496, 57.2913

Protanomaly

76.2267, 80.2785, 57.9321

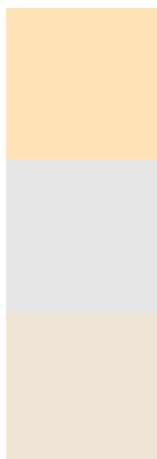
Deuteranomaly

78.9021, 80.2754, 64.7622

Tritanomaly

80.8201, 80.1724, 77.5448

Monochromacy



Original Color

77.7404, 80.2496, 57.2913

Achromatopsia

75.9547, 79.9103, 87.0223

Achromatomaly

76.3696, 79.9739, 75.0297

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.7404, 80.2496, 57.2913 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, 228, 185)` looks like.

```
.text, #text, p{  
    color:rgb(255, 228, 185)  
}
```

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, 228, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 228, 185) }
```

Border

The CSS property to change the border of an element to XYZ 77.7404, 80.2496, 57.2913 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, 228, 185) }
```


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

```
.border{ border-color:rgb(255, 228, 185) }
```

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

Here you see how a box with a 4 pixel rgb(255, 228, 185) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 228, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 228, 185);  
box-shadow:4px 4px 4px 4px rgb(255, 228,  
185) }
```

Background

The CSS property to change the background color of an element to XYZ 77.7404, 80.2496, 57.2913 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 228, 185) }
```

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

```
.background{ background-color: rgb(255,  
228, 185) }
```

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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