

Converting Colors

XYZ(77.7303, 80.7044, 56.6005)

Have a look what the booklet for
XYZ(77.7303, 80.7044, 56.6005)
contains.

XYZ(77.9110, 80.7593, 56.8292)	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(77.9110, 80.7593,
56.8292)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE5B8
RGB	255, 229, 184
RGB Percent	100%, 90%, 72%
CMY	0.0000, 0.1019, 0.2784
CMYK	0.00, 0.10, 0.28, 0.00
HSL	38°, 100%, 86%
HSV	38°, 28%, 100%
XYZ	77.9110, 80.7593, 56.8292
YIQ	231.6440, 29.9410, -8.4830

Conversions

Conversions Part 2

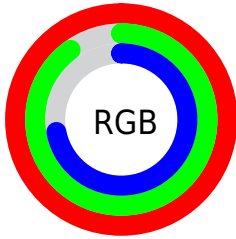
Format	Color
R _Y B	225, 255, 184
Decimal	16770488
CIE Lab	92.02, 2.32, 25.22
CIE LCh	92, 25.328, 84.751
Yxy	80.7593, 0.3615, 0.3748
Android (android.graphics.Color)	4294960568 (0xFFFFE5B8)
YUV	231.6440, -23.4885, 20.4832
Hunter-Lab	89.8662, -2.5122, 25.4128

Details

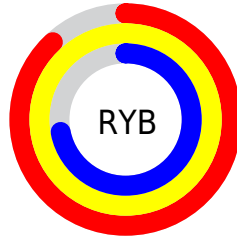
The XYZ color **77.9110, 80.7593, 56.8292** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **60.8632, 63.5016, 103.6570**, and the grayscale version is **76.5916, 80.5803, 87.7520**.

A 20% lighter version of the original color is **92.7282, 99.0713, 96.6734**, and **42.2587, 43.7811, 27.6961** is the 20% darker color. If you saturate the color by 10%, you get **72.9617, 74.7595, 43.1593**, and if you desaturate by 10%, it is **83.4852, 87.2370, 73.0863**.

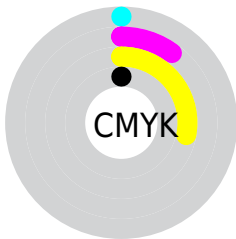
Distribution



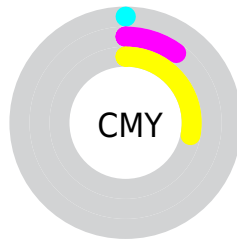
- Red (100%)
- Green (90%)
- Blue (72%)



- Red (88%)
- Yellow (100%)
- Blue (72%)



- Cyan (0%)
- Magenta (10%)
- Yellow (28%)
- Black (0%)





- Cyan (0%)
- Magenta (10%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 77.9110, 80.7593, 56.8292 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 77.9110, 80.7593, 56.8292 by changing the saturation by 10% instead.


 77.9110, 80.7593,
56.8292

 77.9110, 80.7593,
56.8292


476.7090,
497.4881, 430.2848

 58.3034, 60.3434,
40.4597


 129.3907,
134.4327, 101.7138

 42.2968, 43.6955,
27.5806


161.9935,
168.4591, 131.0659

 29.5259, 30.4312,
17.7735


199.6587,
207.7910, 165.5827

 19.6253, 20.1661,
10.6197

242.7517,
252.8128, 205.6826

 12.2296, 12.5158,
5.7008

291.6379,
303.9091, 251.7843

 6.9736, 7.0960,
2.5982

346.6826,

 3.4918, 3.5222,

361.4641, 304.3061

0.8915

408.2512,
425.8623, 363.6668

■ 1.4188, 1.4101,
0.0000

■ 0.2696, 0.2241,
0.0000

■ 77.9110, 80.7593,
56.8292

■ 77.9110, 80.7593,
56.8292

■ 72.9617, 74.7595,
43.1593

■ 83.4852, 87.2370,
73.0863

■ 68.6030, 69.2120,
31.9345

■ 89.7043, 94.1955,
92.0524

■ 64.8066, 64.1047,
23.0066

95.0500, 100.0000,
108.9000

■ 61.5387, 59.4204,
16.2089

■ 58.7610, 55.1402,
11.3522

■ 56.4291, 51.2424,
8.2131

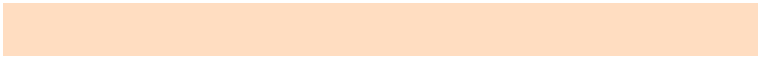
■ 54.4838, 47.6995,
6.4933

■ 54.0970, 46.9740,
6.2157

Harmonies

Analogous

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



84.2178, 80.7593, 61.7701



77.9110, 80.7593, 56.8292



71.6335, 80.7593, 59.2126

Triad

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



77.9110, 80.7593, 56.8292



65.9366, 80.7593, 103.8237



87.4498, 80.7593, 110.3045

Complementary

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



77.9110, 80.7593, 56.8292



60.8632, 63.5016, 103.6570

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.



82.1239, 80.7593, 124.7002



77.9110, 80.7593, 56.8292



69.7547, 80.7593, 120.6032

Square

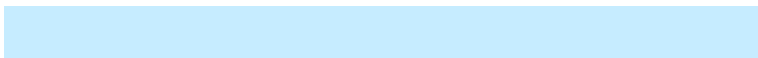
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.9110, 80.7593, 56.8292



64.9493, 80.7593, 84.6918



75.6190, 80.7593, 128.7122



89.9206, 80.7593, 91.2562

Rectangle

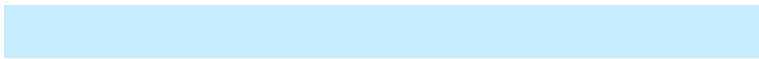
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.9110, 80.7593, 56.8292



68.2741, 80.7593, 64.8378



75.6190, 80.7593, 128.7122



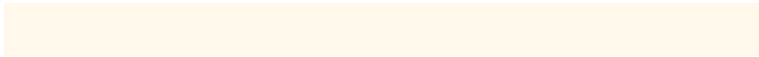
85.9199, 80.7593, 115.9493

Sweetspot

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



77.9130, 80.7629, 56.8309



89.6011, 94.0820, 91.7318



70.0181, 60.1967, 68.9242



18.9693, 19.9068, 18.9869



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.



77.9130, 80.7629, 56.8309



75.2835, 77.6087, 49.4653



82.2546, 94.4894, 59.2515



18.9693, 19.9068, 18.9869



28.4142, 24.8395, 3.2969



2.8708, 2.6270, 0.3558

Inverse Universe

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



60.8632, 63.5016, 103.6570



55.8525, 57.9422, 102.8480



57.3029, 52.9010, 101.7985



17.5475, 18.4667, 22.8895



11.6229, 8.1554, 50.3961



1.2315, 0.9937, 4.9402

Previews

White Background



This preview shows how the XYZ color 77.9110, 80.7593, 56.8292 looks on a white background.

Color Contrast Check

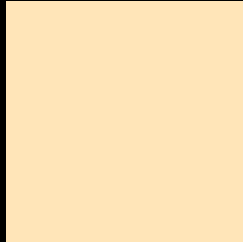
Large Text (above 18pt) WCAG AA × Fail

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 77.9110, 80.7593, 56.8292 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

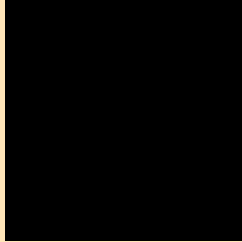
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 77.9110, 80.7593, 56.8292

Background



This preview shows how black text looks on a background with the XYZ color 77.9110, 80.7593, 56.8292.



This preview shows how white text looks on a background with the XYZ color 77.9110, 80.7593,

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

77.9110, 80.7593, 56.8292

Protanopia

75.9713, 80.9902, 57.5275

Deuteranopia

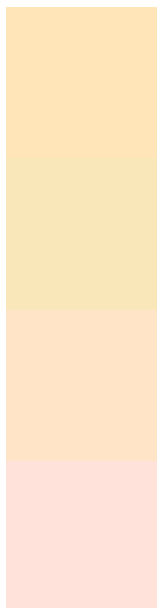
79.9716, 80.7032, 70.3938



Tritanopia

83.1817, 80.6857, 91.3105

Trichromacy



Original Color

77.9110, 80.7593, 56.8292

Protanomaly

76.7572, 80.9786, 57.4838

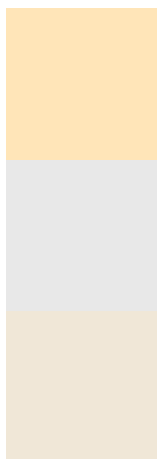
Deuteranomaly

79.2922, 80.8703, 65.4632

Tritanomaly

81.0912, 80.7147, 77.6352

Monochromacy



Original Color

77.9110, 80.7593, 56.8292

Achromatopsia

76.7008, 80.6952, 87.8771

Achromatomaly

76.7768, 80.5834, 75.7976

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.9110, 80.7593, 56.8292 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, 229, 184)` looks like.

```
.text, #text, p{  
    color:rgb(255, 229, 184)  
}
```

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, 229, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 229, 184) }
```

Border

The CSS property to change the border of an element to XYZ 77.9110, 80.7593, 56.8292 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, 229, 184) }
```


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

```
.border{ border-color:rgb(255, 229, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 229, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 229, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 229, 184);  
box-shadow:4px 4px 4px 4px rgb(255, 229,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 77.9110, 80.7593, 56.8292 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 229, 184) }
```

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

```
.background{ background-color: rgb(255,  
229, 184) }
```

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