

Converting Colors

XYZ(77.7862, 79.8290, 58.8857)

Have a look what the booklet for
XYZ(77.7862, 79.8290, 58.8857)
contains.

XYZ(77.7862, 79.8290, 58.8857)	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(77.7862, 79.8290,
58.8857)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE3BC
RGB	255, 227, 188
RGB Percent	100%, 89%, 74%
CMY	0.0000, 0.1098, 0.2627
CMYK	0.00, 0.11, 0.26, 0.00
HSL	35°, 100%, 87%
HSV	35°, 26%, 100%
XYZ	77.7862, 79.8290, 58.8857
YIQ	230.9260, 29.2070, -6.1930

Conversions

Conversions Part 2

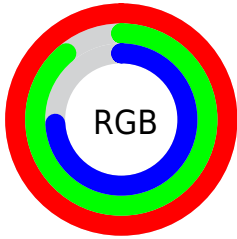
Format	Color
R _Y B	236, 255, 188
Decimal	16769980
CIE Lab	91.61, 3.86, 22.58
CIE LCh	92, 22.912, 80.296
Yxy	79.8290, 0.3593, 0.3687
Android (android.graphics.Color)	4294960060 (0xFFFFE3BC)
YUV	230.9260, -21.1625, 21.1129
Hunter-Lab	89.3471, -0.9540, 23.4669

Details

The XYZ color **77.7862, 79.8290, 58.8857** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **63.3442, 67.0211, 104.2055**, and the grayscale version is **76.0395, 79.9995, 87.1194**.

A 20% lighter version of the original color is **93.3291, 99.3117, 99.8380**, and **42.4144, 43.2601, 29.0362** is the 20% darker color. If you saturate the color by 10%, you get **72.4524, 73.1787, 44.7230**, and if you desaturate by 10%, it is **83.7900, 87.0414, 75.6698**.

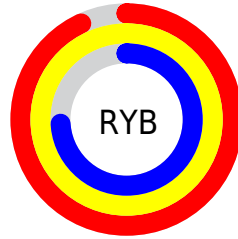
Distribution



Red (100%)

Green (89%)

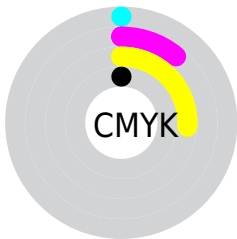
Blue (74%)



Red (93%)

Yellow (100%)

Blue (74%)

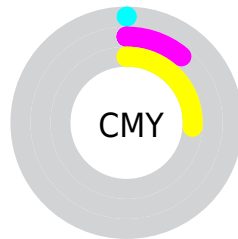


Cyan (0%)

Magenta (11%)

Yellow (26%)

Black (0%)



Cyan (0%)


Magenta (11%)


Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 77.7862, 79.8290, 58.8857 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 77.7862, 79.8290, 58.8857 by changing the saturation by 10% instead.


 77.7862, 79.8290,
58.8857

 77.7862, 79.8290,
58.8857


476.2914,
494.3564, 438.1683

 58.2005, 59.5776,
42.1017


 129.2156,
133.1253, 104.7390

 42.2138, 43.0783,
28.8548


161.7901,
166.9390, 134.6454

 29.4606, 29.9466,
18.7264


199.4250,
206.0423, 169.7630

 19.5755, 19.7980,
11.2979

242.4855,
250.8196, 210.5104

 12.1933, 12.2483,
6.1509

291.3370,
301.6553, 257.3061

 6.9486, 6.9130,
2.8668

346.3449,

 3.4760, 3.4078,

358.9337, 310.5686

1.0270

407.8746,
423.0392, 370.7165

■ 1.4102, 1.3481,
0.0000

■ 0.2635, 0.1780,
0.0000

■ 77.7862, 79.8290,
58.8857

■ 77.7862, 79.8290,
58.8857

■ 72.4524, 73.1787,
44.7230

■ 83.7900, 87.0414,
75.6698

■ 67.7539, 67.0631,
33.0411

■ 90.4848, 94.8211,
95.1960

■ 63.6616, 61.4680,
23.6934

95.0500, 100.0000,
108.9000

■ 60.1410, 56.3743,
16.5160

■ 57.1535, 51.7607,
11.3234

■ 54.6546, 47.6037,
7.8981

■ 52.5892, 43.8752,
5.9699

■ 51.9012, 42.5825,
5.4837

Harmonies

Analogous

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



83.2871, 79.8290, 64.4246



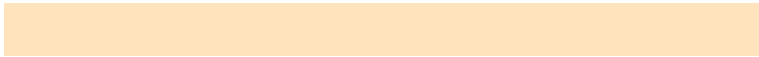
77.7862, 79.8290, 58.8857



72.0413, 79.8290, 60.0805

Triad

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



77.7862, 79.8290, 58.8857



65.8101, 79.8290, 98.5755



84.8587, 79.8290, 109.1573

Complementary

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



77.7862, 79.8290, 58.8857



63.3442, 67.0211, 104.2055

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.



79.8425, 79.8290, 120.7566



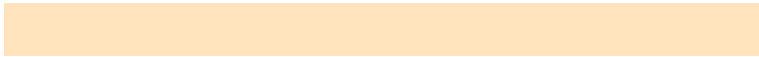
77.7862, 79.8290, 58.8857



68.9164, 79.8290, 114.1236

Square

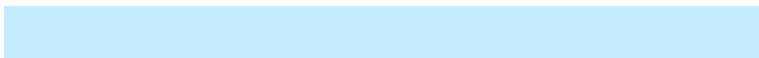
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.7862, 79.8290, 58.8857



65.3227, 79.8290, 81.6044



73.9955, 79.8290, 122.6823



87.5067, 79.8290, 92.4620

Rectangle

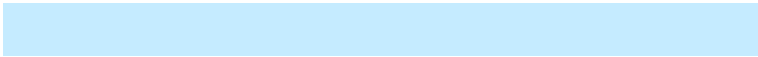
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.7862, 79.8290, 58.8857



68.8330, 79.8290, 64.5998



73.9955, 79.8290, 122.6823



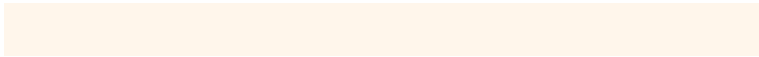
83.3818, 79.8290, 113.8674

Sweetspot

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



77.7881, 79.8325, 58.8874



89.2785, 93.4367, 91.6242



71.7525, 62.2388, 73.9006



18.8880, 19.7441, 18.9598



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

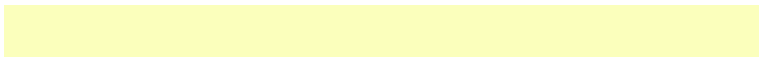
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.7881, 79.8325, 58.8874



74.6530, 75.9555, 50.4646



84.4531, 95.5736, 61.5744



18.8880, 19.7441, 18.9598



27.2704, 22.5521, 2.9157



2.7632, 2.4118, 0.3199

Inverse Universe

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



63.3442, 67.0211, 104.2055



57.8051, 61.0157, 103.3383



57.8906, 54.4549, 102.0674



17.6266, 18.6248, 22.9159



12.2936, 9.4967, 50.6197



1.3020, 1.1346, 4.9637

Previews

White Background



This preview shows how the XYZ color 77.7862, 79.8290, 58.8857 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 77.7862, 79.8290, 58.8857 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

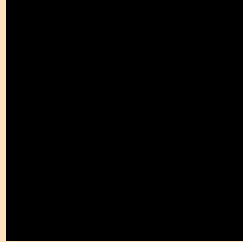
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 77.7862, 79.8290, 58.8857

Background



This preview shows how black text looks on a background with the XYZ color 77.7862, 79.8290, 58.8857.



This preview shows how white text looks on a background with the XYZ color 77.7862, 79.8290,

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

77.7862, 79.8290, 58.8857

Protanopia

75.1784, 80.1026, 60.2142

Deuteranopia

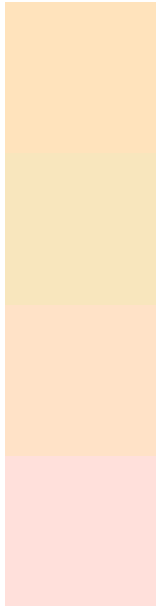
79.3058, 79.5667, 69.5706



Tritanopia

82.5016, 79.5587, 90.3649

Trichromacy



Original Color

77.7862, 79.8290, 58.8857

Protanomaly

76.1935, 80.2242, 59.6131

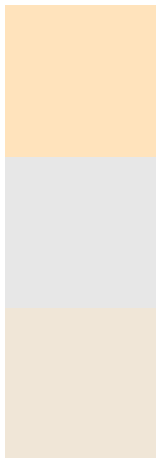
Deuteranomaly

78.7452, 79.7762, 65.2809

Tritanomaly

80.6818, 79.6858, 78.1463

Monochromacy



Original Color

77.7862, 79.8290, 58.8857

Achromatopsia

75.9547, 79.9103, 87.0223

Achromatomaly

76.4977, 80.0252, 75.7045

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.7862, 79.8290, 58.8857 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, 188)` looks like.

```
.text, #text, p{  
    color:rgb(255, 227, 188)  
}
```

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, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 227, 188) }
```

Border

The CSS property to change the border of an element to XYZ 77.7862, 79.8290, 58.8857 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, 188) }
```


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

```
.border{ border-color:rgb(255, 227, 188) }
```

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, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 227, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 227, 188);  
box-shadow:4px 4px 4px 4px rgb(255, 227,  
188) }
```

Background

The CSS property to change the background color of an element to XYZ 77.7862, 79.8290, 58.8857 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, 188) }
```

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

```
.background{ background-color: rgb(255,  
227, 188) }
```

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