

Converting Colors

XYZ(21.8149, 20.5889, 31.2550)

Have a look what the booklet for
XYZ(21.8149, 20.5889, 31.2550)
contains.

XYZ(21.8142, 20.5894, 31.2582)	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(21.8142, 20.5894,
31.2582)**

Conversions

Conversions Part 1

Format	Color
Hex	857895
RGB	133, 120, 149
RGB Percent	52%, 47%, 58%
CMY	0.4784, 0.5294, 0.4157
CMYK	0.11, 0.19, 0.00, 0.42
HSL	267°, 12%, 53%
HSV	267°, 19%, 58%
XYZ	21.8142, 20.5894, 31.2582
YIQ	127.1930, -1.5610, 11.7750

Conversions

Conversions Part 2

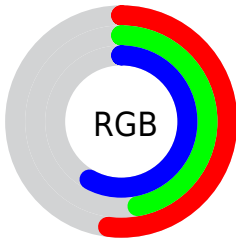
Format	Color
RYB	133, 120, 149
Decimal	8747157
CIELab	52.50, 10.88, -13.84
CIELCh	52, 17.604, 308.181
Yxy	20.5894, 0.2961, 0.2795
Android (android.graphics.Color)	4286937237 (0xFF857895)
YUV	127.1930, 10.7509, 5.0927
Hunter-Lab	45.3755, 6.4063, -9.0807

Details

The XYZ color **21.8142, 20.5894, 31.2582** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **24.2916, 28.0857, 21.9110**, and the grayscale version is **20.2042, 21.2564, 23.1482**.

A 20% lighter version of the original color is **45.7817, 44.2559, 62.6292**, and **8.0892, 7.3556, 12.5487** is the 20% darker color. If you saturate the color by 10%, you get **18.9124, 16.6376, 30.6487**, and if you desaturate by 10%, it is **25.0977, 25.1531, 31.9663**.

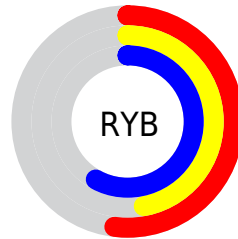
Distribution



Red (52%)

Green (47%)

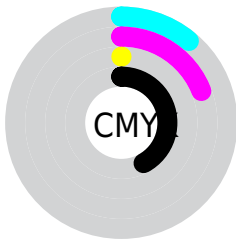
Blue (58%)



Red (52%)

Yellow (47%)

Blue (58%)

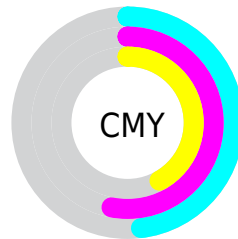


Cyan (11%)

Magenta (19%)

Yellow (0%)

Black (42%)



Cyan (48%)

Magenta (53%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.8142, 20.5894, 31.2582 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 21.8142, 20.5894, 31.2582 by changing the saturation by 10% instead.

■ 21.8142, 20.5894,
31.2582

■ 21.8142, 20.5894,
31.2582

254.2251,
255.0883, 322.1140

■ 13.8363, 12.8242,
20.5354

■ 45.9199, 44.4032,
62.7307

■ 8.0878, 7.3076,
12.5969

■ 62.7783, 61.2205,
84.3175

■ 4.2035, 3.6552,
7.0241

■ 83.3276, 81.8241,
110.3627

■ 1.8179, 1.4826,
3.3985

107.9332,
106.5982, 141.2849

■ 0.5284, 0.2765,
1.3015

136.9604,
135.9273, 177.5026

■ 0.0000, 0.0000,
0.0631

170.7745,

■ 0.0000, 0.0000,

170.1957, 219.4343

0.0000

209.7410,
209.7879, 267.4986

■ 21.8142, 20.5894,
31.2582

■ 21.8142, 20.5894,
31.2582

■ 18.9124, 16.6376,
30.6487

■ 25.0977, 25.1531,
31.9663

■ 16.3753, 13.2680,
30.1320

■ 28.7753, 30.3512,
32.7758

■ 14.1872, 10.4527,
29.7039

■ 32.8611, 36.2083,
33.6910

■ 12.3306, 8.1601,
29.3593

■ 37.3679, 42.7470,
34.7156

■ 10.7860, 6.3553,
29.0923

■ 42.3080, 49.9888,
35.8530

■ 9.5318, 4.9992,
28.8967

■ 47.6931, 57.9540,
37.1066

■ 8.5432, 4.0461,
28.7648

■ 53.5344, 66.6623,
38.4796

■ 7.7645, 3.3890,
28.6790

■ 59.8427, 76.1326,
39.9751

■ 7.7254, 3.3559,
28.6747

■ 66.6287, 86.3832,
41.5960

Harmonies

Analogous

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



20.0720, 20.5894, 33.8777



21.8142, 20.5894, 31.2582



23.0026, 20.5894, 26.3547

Triad

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



21.8142, 20.5894, 31.2582



20.8997, 20.5894, 14.3398



16.3052, 20.5894, 23.8755

Complementary

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



21.8142, 20.5894, 31.2582



24.2916, 28.0857, 21.9110

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.



16.4964, 20.5894, 18.8949



21.8142, 20.5894, 31.2582



19.0757, 20.5894, 13.8873

Square

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



21.8142, 20.5894, 31.2582



22.4522, 20.5894, 16.7747



17.4845, 20.5894, 15.4252



16.9449, 20.5894, 29.2041

Rectangle

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



21.8142, 20.5894, 31.2582



23.2810, 20.5894, 22.7380



17.4845, 20.5894, 15.4252



16.2752, 20.5894, 22.1017

Sweetspot

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



21.8148, 20.5903, 31.2587



47.0661, 48.0258, 57.7105



22.0366, 23.8943, 31.8847



10.3492, 10.5287, 12.7716



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



21.8148, 20.5903, 31.2587



36.9051, 33.9105, 55.5215



24.1864, 21.8129, 31.3696



5.7316, 5.7526, 7.2780



6.5353, 2.8416, 24.1351



0.1131, 0.0519, 0.2970

Inverse Universe

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



23.5555, 21.6009, 26.2211



40.6024, 36.0583, 44.7718



22.1549, 26.9842, 21.8110



5.9266, 5.8657, 6.7198



11.7352, 5.8991, 7.3527



0.1585, 0.0782, 0.1683

Previews

White Background



This preview shows how the XYZ color 21.8142, 20.5894, 31.2582 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 21.8142, 20.5894, 31.2582 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 × Fail

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

XYZ 21.8142, 20.5894, 31.2582

Background



This preview shows how black text looks on a background with the XYZ color 21.8142, 20.5894, 31.2582.



This preview shows how white text looks on a background with the XYZ color 21.8142, 20.5894,

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

21.8142, 20.5894, 31.2582

Protanopia

20.4829, 20.6042, 32.6032

Deuteranopia

20.9885, 20.5246, 31.2892



Tritanopia

20.5225, 20.6052, 25.0858

Trichromacy



Original Color

21.8142, 20.5894, 31.2582

Protanomaly

20.9811, 20.6854, 32.1650

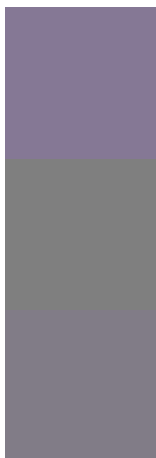
Deuteranomaly

21.3154, 20.5118, 31.2695

Tritanomaly

20.9798, 20.6084, 27.2982

Monochromacy



Original Color

21.8142, 20.5894, 31.2582

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

20.6341, 20.8317, 25.8551

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8142, 20.5894, 31.2582 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(133, 120, 149)` looks like.

```
.text, #text, p{  
    color:rgb(133, 120, 149)  
}
```

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(133, 120, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 120, 149) }
```

Border

The CSS property to change the border of an element to XYZ 21.8142, 20.5894, 31.2582 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(133, 120, 149) }
```


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

```
.border{ border-color:rgb(133, 120, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 120, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 120, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 120, 149);  
box-shadow:4px 4px 4px 4px rgb(133, 120,  
149) }
```

Background

The CSS property to change the background color of an element to XYZ 21.8142, 20.5894, 31.2582 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 120, 149) }
```

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

```
.background{ background-color: rgb(133,  
120, 149) }
```

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