

Converting Colors

XYZ(13.1277, 16.5687, 8.9759)

Have a look what the booklet for
XYZ(13.1277, 16.5687, 8.9759)
contains.

XYZ(13.0981, 16.5800, 8.9885)	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(13.0981, 16.5800,
8.9885)**

Conversions

Conversions Part 1

Format	Color
Hex	63784A
RGB	99, 120, 74
RGB Percent	39%, 47%, 29%
CMY	0.6118, 0.5294, 0.7098
CMYK	0.18, 0.00, 0.38, 0.53
HSL	87°, 24%, 38%
HSV	87°, 38%, 47%
XYZ	13.0981, 16.5800, 8.9885
YIQ	108.4770, 2.2500, -18.7580

Conversions

Conversions Part 2

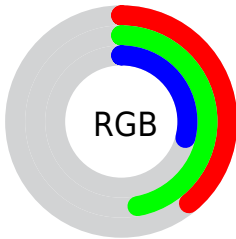
Format	Color
RYB	74, 120, 95
Decimal	6518858
CIELab	47.73, -16.42, 22.79
CIElCh	48, 28.089, 125.776
Yxy	16.5800, 0.3387, 0.4288
Android (android.graphics.Color)	4284708938 (0xFF63784A)
YUV	108.4770, -16.9972, -8.3113
Hunter-Lab	40.7185, -13.8386, 15.4149

Details

The XYZ color **13.0981, 16.5800, 8.9885** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **10.5589, 8.6870, 18.8904**, and the grayscale version is **14.4343, 15.1860, 16.5376**.

A 20% lighter version of the original color is **31.0902, 37.5144, 24.3413**, and **3.8402, 5.2990, 1.9828** is the 20% darker color. If you saturate the color by 10%, you get **12.1535, 16.1359, 7.0316**, and if you desaturate by 10%, it is **14.1613, 17.0774, 11.3543**.

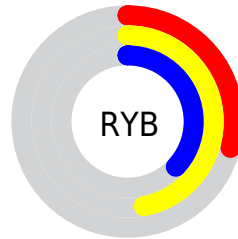
Distribution



Red (39%)

Green (47%)

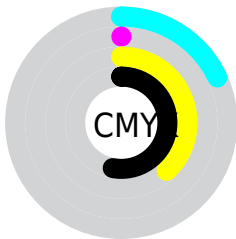
Blue (29%)



Red (29%)

Yellow (47%)

Blue (37%)

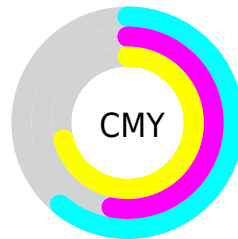


Cyan (18%)

Magenta (0%)

Yellow (38%)

Black (53%)



Cyan (61%)

Magenta (53%)

Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.0981, 16.5800, 8.9885 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 13.0981, 16.5800, 8.9885 by changing the saturation by 10% instead.

■ 13.0981, 16.5800,
8.9885

■ 13.0981, 16.5800,
8.9885

205.1703,
232.7403, 193.5070

■ 7.5736, 9.9355,
4.6370

■ 31.0797, 37.6022,
24.4521

■ 3.8728, 5.3562,
1.9809

■ 44.2676, 52.7487,
36.4012

■ 1.6304, 2.4577,
0.5435

■ 60.7406, 71.4980,
51.7200

■ 0.4121, 0.8554,
0.0000

■ 80.8641, 94.2345,
70.8269

■ 0.0000, 0.0000,
0.0000

■ 105.0034,
121.3426, 94.1405

133.5240,

153.2067, 122.0794

166.7912,
190.2111, 155.0620

■ 13.0981, 16.5800,
8.9885

■ 13.0981, 16.5800,
8.9885

■ 12.1535, 16.1359,
7.0316

■ 14.1613, 17.0774,
11.3543

■ 11.3211, 15.7407,
5.4593

■ 15.3467, 17.6278,
14.1494

■ 10.5956, 15.3928,
4.2464

■ 16.6592, 18.2340,
17.3940

■ 9.9707, 15.0895,
3.3644

■ 18.1032, 18.8977,
21.1067

■ 9.4393, 14.8280,
2.7800

■ 19.6826, 19.6206,
25.3051

■ 8.9831, 14.6007,
2.4022

■ 21.4013, 20.4044,
30.0059

■ 8.9110, 14.5648,
2.3416

■ 23.2631, 21.2506,
35.2250

■ 25.2714, 22.1607,
40.9776

■ 27.4297, 23.1361,
47.2782

Harmonies

Analogous

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



15.2773, 16.5800, 7.4842



13.0981, 16.5800, 8.9885



11.7484, 16.5800, 12.9469

Triad

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



13.0981, 16.5800, 8.9885



13.8572, 16.5800, 33.8517



21.0747, 16.5800, 16.6950

Complementary

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



13.0981, 16.5800, 8.9885



10.5589, 8.6870, 18.8904

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.



20.5915, 16.5800, 24.3506



13.0981, 16.5800, 8.9885



16.2503, 16.5800, 35.6289

Square

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



13.0981, 16.5800, 8.9885



12.1529, 16.5800, 27.4171



18.7574, 16.5800, 31.7769



20.0155, 16.5800, 11.1080

Rectangle

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



13.0981, 16.5800, 8.9885



11.4124, 16.5800, 17.0520



18.7574, 16.5800, 31.7769



21.0885, 16.5800, 19.0921

Sweetspot

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



13.0985, 16.5807, 8.9889



28.3577, 31.6346, 28.2348



13.0476, 12.6186, 8.2268



6.6663, 7.4721, 6.5570



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



13.0985, 16.5807, 8.9889



21.5646, 28.4684, 12.7453



10.9574, 15.4769, 8.8887



4.1396, 4.5472, 4.2840



9.7044, 15.8800, 2.5537



45.2997, 75.2383, 12.1349

Inverse Universe

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



10.5589, 8.6870, 18.8904



16.4240, 12.4840, 32.7971



13.2701, 10.0847, 19.0173



3.9553, 3.9748, 5.0019



5.3885, 2.3506, 19.5550



24.7465, 10.7193, 93.2345

Previews

White Background



This preview shows how the XYZ color 13.0981, 16.5800, 8.9885 looks on a white 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

Black Background



This preview shows how the XYZ color 13.0981, 16.5800, 8.9885 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

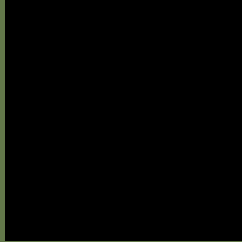
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.0981, 16.5800, 8.9885

Background



This preview shows how black text looks on a background with the XYZ color 13.0981, 16.5800, 8.9885.



This preview shows how white text looks on a background with the XYZ color 13.0981, 16.5800,

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

13.0981, 16.5800, 8.9885

Protanopia

15.2108, 16.4761, 8.3398

Deuteranopia

16.6938, 16.4118, 9.3091



Tritanopia

15.5363, 16.5289, 21.1104

Trichromacy



Original Color

13.0981, 16.5800, 8.9885

Protanomaly

14.3545, 16.5361, 8.5661

Deuteranomaly

15.1247, 16.2477, 9.1764

Tritanomaly

14.3887, 16.3943, 15.7706

Monochromacy



Original Color

13.0981, 16.5800, 8.9885

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

13.7312, 15.4361, 13.3221

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.0981, 16.5800, 8.9885 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(99, 120, 74)` looks like.

```
.text, #text, p{  
    color:rgb(99, 120, 74)  
}
```

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(99, 120, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 120, 74) }
```

Border

The CSS property to change the border of an element to XYZ 13.0981, 16.5800, 8.9885 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(99, 120, 74) }
```


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

```
.border{ border-color:rgb(99, 120, 74) }
```

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

Here you see how a box with a 4 pixel rgb(99, 120, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 120, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 120, 74);  
box-shadow:4px 4px 4px 4px rgb(99, 120,  
74) }
```

Background

The CSS property to change the background color of an element to XYZ 13.0981, 16.5800, 8.9885 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 120, 74) }
```

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

```
.background{ background-color: rgb(99, 120,  
74) }
```

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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