

Converting Colors

XYZ(21.8785, 24.9279, 15.9718)

Have a look what the booklet for
XYZ(21.8785, 24.9279, 15.9718)
contains.

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Color

**XYZ(21.8804, 24.9300,
15.9707)**

Conversions

Conversions Part 1

Format	Color
Hex	888C65
RGB	136, 140, 101
RGB Percent	53%, 55%, 40%
CMY	0.4667, 0.4510, 0.6039
CMYK	0.03, 0.00, 0.28, 0.45
HSL	66°, 16%, 47%
HSV	66°, 28%, 55%
XYZ	21.8804, 24.9300, 15.9707
YIQ	134.3580, 10.1350, -12.9770

Conversions

Conversions Part 2

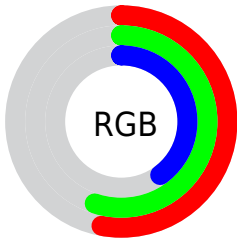
Format	Color
R_{YB}	101, 140, 105
Decimal	8948837
CIE _{Lab}	57.01, -8.25, 20.40
CIE _{LCh}	57, 22.003, 112.016
Yxy	24.9300, 0.3485, 0.3971
Android (android.graphics.Color)	4287138917 (0xFF888C65)
YUV	134.3580, -16.4455, 1.4400
Hunter-Lab	49.9300, -9.1548, 15.9863

Details

The XYZ color **21.8804, 24.9300, 15.9707** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **15.2140, 14.2048, 26.7523**, and the grayscale version is **22.8484, 24.0383, 26.1777**.

A 20% lighter version of the original color is **45.9727, 51.3541, 37.1951**, and **8.1598, 9.5571, 4.9047** is the 20% darker color. If you saturate the color by 10%, you get **21.0205, 24.5601, 12.6497**, and if you desaturate by 10%, it is **22.8616, 25.3505, 19.9084**.

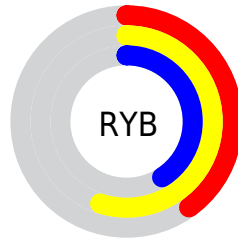
Distribution



Red (53%)

Green (55%)

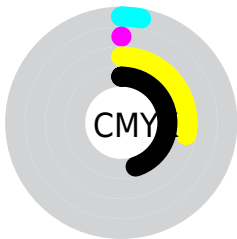
Blue (40%)



Red (40%)

Yellow (55%)

Blue (41%)

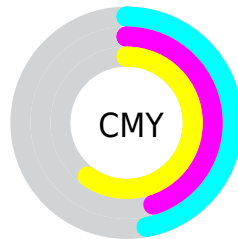


Cyan (3%)

Magenta (0%)

Yellow (28%)

Black (45%)



Cyan (47%)

Magenta (45%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.8804, 24.9300, 15.9707 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 21.8804, 24.9300, 15.9707 by changing the saturation by 10% instead.

■ 21.8804, 24.9300,
15.9707

■ 21.8804, 24.9300,
15.9707

254.5652,
277.4892, 241.0086

■ 13.8852, 16.0249,
9.3493

■ 46.0286, 51.5436,
37.3134

■ 8.1220, 9.5418,
4.8698

■ 62.9122, 70.0210,
52.8718

■ 4.2256, 5.0962,
2.1137

■ 83.4894, 92.4579,
72.2463

■ 1.8305, 2.3038,
0.6239

■ 108.1254,
119.2387, 95.8553

■ 0.5360, 0.7757,
0.0000

137.1856,
150.7478, 124.1176

■ 0.0000, 0.0000,
0.0000

171.0354,

187.3697, 157.4515

210.0401,
229.4887, 196.2756

■ 21.8804, 24.9300,
15.9707

■ 21.8804, 24.9300,
15.9707

■ 21.0205, 24.5601,
12.6497

■ 22.8616, 25.3505,
19.9084

■ 20.2740, 24.2351,
9.9127

■ 23.9677, 25.8204,
24.4903

■ 19.6352, 23.9535,
7.7263

■ 25.2045, 26.3430,
29.7439

■ 19.0969, 23.7125,
6.0531

■ 26.5769, 26.9202,
35.6950

■ 18.6511, 23.5088,
4.8509

■ 28.0895, 27.5539,
42.3677

■ 18.2886, 23.3388,
4.0712

■ 29.7466, 28.2457,
49.7851

■ 17.9905, 23.1949,
3.6150

■ 31.5526, 28.9974,
57.9693

■ 17.9288, 23.1650,
3.5263

■ 33.5113, 29.8106,
66.9415

■ 35.6268, 30.6869,
76.7219

Harmonies

Analogous

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



24.3923, 24.9300, 15.3471



21.8804, 24.9300, 15.9707



19.9895, 24.9300, 19.2924

Triad

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



21.8804, 24.9300, 15.9707



20.7659, 24.9300, 39.9811



28.9662, 24.9300, 29.1702

Complementary

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



21.8804, 24.9300, 15.9707



15.2140, 14.2048, 26.7523

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.



27.8327, 24.9300, 36.8817



21.8804, 24.9300, 15.9707



23.0115, 24.9300, 43.8227

Square

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



21.8804, 24.9300, 15.9707



19.3795, 24.9300, 32.8380



25.6077, 24.9300, 42.5957



28.6084, 24.9300, 22.1504

Rectangle

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



21.8804, 24.9300, 15.9707



19.2751, 24.9300, 22.9823



25.6077, 24.9300, 42.5957



28.7442, 24.9300, 31.7811

Sweetspot

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



21.8810, 24.9311, 15.9712



42.1899, 45.4930, 42.9066



18.2064, 16.5985, 14.5565



9.6569, 10.4553, 9.6160



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



21.8810, 24.9311, 15.9712



37.6645, 43.5604, 24.6098



19.0104, 23.4513, 15.8369



5.3813, 5.8193, 5.3920



15.9391, 20.5869, 3.1336



0.1126, 0.1402, 0.0211

Inverse Universe

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



15.2140, 14.2048, 26.7523



24.0374, 21.6325, 46.6515



17.7582, 15.5164, 26.8714



4.8192, 4.9152, 6.3006



4.3812, 1.7727, 22.1569



0.0345, 0.0146, 0.1474

Previews

White Background



This preview shows how the XYZ color 21.8804, 24.9300, 15.9707 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 21.8804, 24.9300, 15.9707 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

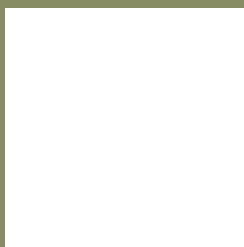
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.8804, 24.9300, 15.9707

Background



This preview shows how black text looks on a background with the XYZ color 21.8804, 24.9300, 15.9707.



This preview shows how white text looks on a background with the XYZ color 21.8804, 24.9300,

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

21.8804, 24.9300, 15.9707

Protanopia

23.2785, 25.0145, 15.6580

Deuteranopia

25.2624, 24.7889, 16.2852



Tritanopia

24.7913, 24.8453, 30.2770

Trichromacy



Original Color

21.8804, 24.9300, 15.9707

Protanomaly

22.7164, 24.9367, 15.6726

Deuteranomaly

23.8723, 24.6849, 16.0768

Tritanomaly

23.5818, 24.7687, 24.3068

Monochromacy



Original Color

21.8804, 24.9300, 15.9707

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

22.3087, 24.1644, 21.9007

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8804, 24.9300, 15.9707 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(136, 140, 101)` looks like.

```
.text, #text, p{  
    color:rgb(136, 140, 101)  
}
```

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(136, 140, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 140, 101) }
```

Border

The CSS property to change the border of an element to XYZ 21.8804, 24.9300, 15.9707 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(136, 140, 101) }
```


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

```
.border{ border-color:rgb(136, 140, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 140, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 140, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 140, 101);  
box-shadow:4px 4px 4px 4px rgb(136, 140,  
101) }
```

Background

The CSS property to change the background color of an element to XYZ 21.8804, 24.9300, 15.9707 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 140, 101) }
```

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

```
.background{ background-color: rgb(136,  
140, 101) }
```

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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