

Converting Colors

XYZ(16.9808, 21.0291, 11.1467)

Have a look what the booklet for
XYZ(16.9808, 21.0291, 11.1467)
contains.

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Color

**XYZ(16.9808, 21.0291,
11.1467)**

Conversions

Conversions Part 1

Format	Color
Hex	738552
RGB	115, 133, 82
RGB Percent	45%, 52%, 32%
CMY	0.5490, 0.4784, 0.6784
CMYK	0.14, 0.00, 0.38, 0.48
HSL	81°, 24%, 42%
HSV	81°, 38%, 52%
XYZ	16.9808, 21.0291, 11.1467
YIQ	121.8040, 5.6430, -19.6770

Conversions

Conversions Part 2

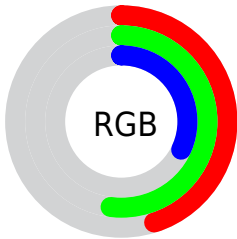
Format	Color
R_{YB}	82, 133, 100
Decimal	7570770
CIE _{Lab}	52.98, -15.73, 25.37
CIE _{LCh}	53, 29.851, 121.791
Yxy	21.0291, 0.3454, 0.4278
Android (android.graphics.Color)	4285760850 (0xFF738552)
YUV	121.8040, -19.6234, -5.9671
Hunter-Lab	45.8575, -14.1530, 17.6885

Details

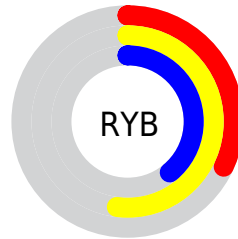
The XYZ color **16.9808, 21.0291, 11.1467** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **12.5073, 10.4379, 23.5470**, and the grayscale version is **18.4959, 19.4591, 21.1910**.

A 20% lighter version of the original color is **37.8722, 45.1086, 28.5405**, and **5.6585, 7.4721, 2.8131** is the 20% darker color. If you saturate the color by 10%, you get **15.9214, 20.5365, 8.7065**, and if you desaturate by 10%, it is **18.1708, 21.5790, 14.1060**.

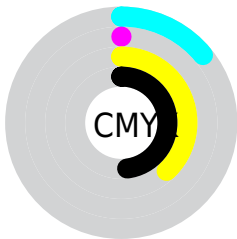
Distribution



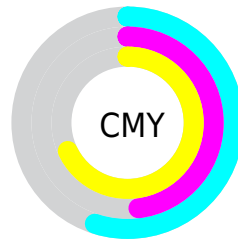
- Red (45%)
- Green (52%)
- Blue (32%)



- Red (32%)
- Yellow (52%)
- Blue (39%)



- Cyan (14%)
- Magenta (0%)
- Yellow (38%)
- Black (48%)



- Cyan (55%)
- Magenta (48%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.9808, 21.0291, 11.1467 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 16.9808, 21.0291, 11.1467 by changing the saturation by 10% instead.

■ 16.9808, 21.0291,
11.1467

■ 16.9808, 21.0291,
11.1467

228.2201,
257.4331, 209.4447

■ 10.3160, 13.1453,
6.0502

■ 37.8366, 45.1360,
28.5719

■ 5.6729, 7.5287,
2.8063

■ 52.7584, 62.1278,
41.7377

■ 2.6860, 3.7949,
0.9966

■ 71.1632, 82.9244,
58.4303

■ 0.9900, 1.5595,
0.0000

■ 93.4163, 107.9102,
79.0683

■ 0.0000, 0.3301,
0.0000

■ 119.8833,
137.4696, 104.0701

■ 0.0000, 0.0000,
0.0000

150.9293,

171.9869, 133.8545

186.9198,
211.8466, 168.8398

■ 16.9808, 21.0291,
11.1467

■ 16.9808, 21.0291,
11.1467

■ 15.9214, 20.5365,
8.7065

■ 18.1708, 21.5790,
14.1060

■ 14.9849, 20.0960,
6.7542

■ 19.4956, 22.1857,
17.6107

■ 14.1652, 19.7057,
5.2569

■ 20.9609, 22.8524,
21.6869

■ 13.4545, 19.3625,
4.1777

■ 22.5719, 23.5812,
26.3586

■ 12.8443, 19.0629,
3.4734

■ 24.3331, 24.3738,
31.6484

■ 12.3148, 18.7989,
3.0427

■ 26.2491, 25.2323,
37.5778

■ 12.2308, 18.7570,
2.9758

■ 28.3242, 26.1584,
44.1671

■ 30.5624, 27.1537,
51.4361

■ 32.9678, 28.2198,
59.4032

Harmonies

Analogous

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



19.8000, 21.0291, 9.6261



16.9808, 21.0291, 11.1467



15.1380, 21.0291, 15.6761

Triad

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



16.9808, 21.0291, 11.1467



17.2748, 21.0291, 41.6987



26.6287, 21.0291, 22.3624

Complementary

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



16.9808, 21.0291, 11.1467



12.5073, 10.4379, 23.5470

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.



25.7758, 21.0291, 32.0518



16.9808, 21.0291, 11.1467



20.1763, 21.0291, 44.8144

Square

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



16.9808, 21.0291, 11.1467



15.2949, 21.0291, 33.2341



23.3298, 21.0291, 40.9002



25.5535, 21.0291, 14.9622

Rectangle

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



16.9808, 21.0291, 11.1467



14.6016, 21.0291, 20.5226



23.3298, 21.0291, 40.9002



26.5576, 21.0291, 25.4481

Sweetspot

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



16.9813, 21.0300, 11.1472



36.4740, 40.4402, 35.8440



15.7394, 14.6820, 9.9873



8.1549, 9.0825, 7.9016



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



16.9813, 21.0300, 11.1472



28.7447, 36.8844, 16.1086



14.0937, 19.5414, 11.0120



4.8844, 5.3430, 5.0032



11.6584, 17.8701, 2.8348



0.0483, 0.0660, 0.0102

Inverse Universe

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



12.5073, 10.4379, 23.5470



19.5485, 15.0958, 41.6219



15.7603, 12.1150, 23.6992



4.5781, 4.6186, 5.8509



5.1551, 2.1917, 21.2880



0.0252, 0.0114, 0.0741

Previews

White Background



This preview shows how the XYZ color 16.9808, 21.0291, 11.1467 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 16.9808, 21.0291, 11.1467 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 16.9808, 21.0291, 11.1467

Background



This preview shows how black text looks on a background with the XYZ color 16.9808, 21.0291, 11.1467.



This preview shows how white text looks on a background with the XYZ color 16.9808, 21.0291,

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

16.9808, 21.0291, 11.1467

Protanopia

19.3534, 20.8895, 10.4092

Deuteranopia

21.2396, 20.9099, 11.5109



Tritanopia

19.9308, 20.8369, 26.2640

Trichromacy



Original Color

16.9808, 21.0291, 11.1467

Protanomaly

18.5041, 21.0255, 10.6725

Deuteranomaly

19.4151, 20.7106, 11.3618

Tritanomaly

18.6104, 20.8834, 19.5730

Monochromacy



Original Color

16.9808, 21.0291, 11.1467

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

17.7224, 19.9052, 16.8179

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.9808, 21.0291, 11.1467 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(115, 133, 82)` looks like.

```
.text, #text, p{  
    color:rgb(115, 133, 82)  
}
```

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(115, 133, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 133, 82) }
```

Border

The CSS property to change the border of an element to XYZ 16.9808, 21.0291, 11.1467 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(115, 133, 82) }
```


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

```
.border{ border-color:rgb(115, 133, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 133, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 133, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 133, 82);  
box-shadow:4px 4px 4px 4px rgb(115, 133,  
82) }
```

Background

The CSS property to change the background color of an element to XYZ 16.9808, 21.0291, 11.1467 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 133, 82) }
```

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

```
.background{ background-color: rgb(115,  
133, 82) }
```

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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