

Converting Colors

XYZ(16.6107, 20.9332, 3.1654)

Have a look what the booklet for
XYZ(16.6107, 20.9332, 3.1654)
contains.

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Color

**XYZ(16.6997, 21.0601,
3.1848)**

Conversions

Conversions Part 1

Format	Color
Hex	7C8500
RGB	124, 133, 0
RGB Percent	49%, 52%, 0%
CMY	0.5137, 0.4784, 1.0000
CMYK	0.07, 0.00, 1.00, 0.48
HSL	64°, 100%, 26%
HSV	64°, 100%, 52%
XYZ	16.6997, 21.0601, 3.1848
YIQ	115.1470, 37.3290, -43.2710

Conversions

Conversions Part 2

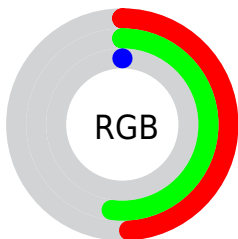
Format	Color
RYB	0, 133, 9
Decimal	8160512
CIELab	53.02, -17.44, 57.37
CIELCh	53, 59.960, 106.904
Yxy	21.0601, 0.4079, 0.5144
Android (android.graphics.Color)	4286350592 (0xFF7C8500)
YUV	115.1470, -56.7675, 7.7641
Hunter-Lab	45.8913, -15.3541, 28.0092

Details

The XYZ color **16.6997, 21.0601, 3.1848** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **4.3468, 1.7519, 22.3006**, and the grayscale version is **16.5002, 17.3595, 18.9044**.

A 20% lighter version of the original color is **37.3944, 45.2264, 12.0689**, and **5.7689, 7.6802, 1.1784** is the 20% darker color. If you saturate the color by 10%, you get **16.7001, 21.0610, 3.1850**, and if you desaturate by 10%, it is **16.9055, 21.1583, 3.5842**.

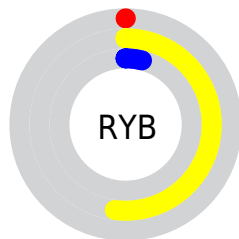
Distribution



Red (49%)

Green (52%)

Blue (0%)



Red (0%)

Yellow (52%)

Blue (4%)

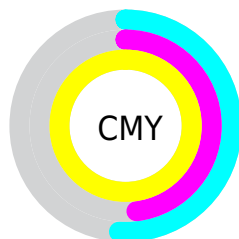


Cyan (7%)

Magenta (0%)

Yellow (100%)

Black (48%)



Cyan (51%)

Magenta (48%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.6997, 21.0601, 3.1848 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 16.6997, 21.0601, 3.1848 by changing the saturation by 10% instead.

■ 16.6997, 21.0601,
3.1848

■ 16.6997, 21.0601,
3.1848

226.6260,
257.5977, 138.6806

■ 10.1146, 13.1679,
1.1898

■ 37.3565, 45.1875,
12.0811

■ 5.5379, 7.5443,
0.0000

■ 52.1588, 62.1916,
19.8195

■ 2.6041, 3.8048,
0.0000

■ 70.4309, 83.0018,
30.3094

■ 0.9481, 1.5650,
0.0000

■ 92.5382, 108.0024,
43.9694


■ 0.0000, 0.3338,
0.0000


■ 118.8460,
137.5779, 61.2179


■ 0.0000, 0.0000,
0.0000


■ 149.7197,


172.1127, 82.4736


 185.5245,
211.9912, 108.1550


 16.6997, 21.0601,
3.1848

 16.6997, 21.0601,
3.1848


 16.7001, 21.0610,
3.1850

 16.9055, 21.1583,
3.5842

 17.1561, 21.2738,
4.2154

 17.4774, 21.4177,
5.2123

 17.8777, 21.5933,
6.6192

 18.3642, 21.8036,
8.4740

■ 18.9434, 22.0511,
10.8105

■ 19.6211, 22.3381,
13.6591

■ 20.4025, 22.6667,
17.0477

■ 21.2926, 23.0389,
21.0023

Harmonies

Analogous

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



22.8866, 21.0601, 3.0275



16.6997, 21.0601, 3.1848



12.4156, 21.0601, 6.4652

Triad

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



16.6997, 21.0601, 3.1848



12.8339, 21.0601, 58.7001



34.2721, 21.0601, 31.7160

Complementary

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



16.6997, 21.0601, 3.1848



4.3468, 1.7519, 22.3006

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.



30.2202, 21.0601, 55.7039



16.6997, 21.0601, 3.1848



17.3979, 21.0601, 75.9762

Square

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



16.6997, 21.0601, 3.1848



10.5259, 21.0601, 34.5596



23.7468, 21.0601, 74.6586



33.9749, 21.0601, 14.2559

Rectangle

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



16.6997, 21.0601, 3.1848



10.8199, 21.0601, 11.8437



23.7468, 21.0601, 74.6586



33.3427, 21.0601, 39.3936

Sweetspot

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



16.7002, 21.0611, 3.1852



35.0462, 39.9631, 24.0781



9.7698, 5.1795, 0.4851



7.7942, 8.9605, 4.9948



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.



16.7002, 21.0611, 3.1852



29.8519, 37.6867, 5.7009



10.1121, 17.6648, 2.8769



5.0095, 5.4074, 5.0091



15.9089, 20.0613, 3.0337



0.0574, 0.0707, 0.0106

Inverse Universe

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



4.3468, 1.7519, 22.3006



7.7296, 3.1089, 39.9311



7.1648, 3.2046, 22.4325



4.4615, 4.5585, 5.8455



4.1428, 1.6699, 21.2407



0.0161, 0.0067, 0.0737

Previews

White Background



This preview shows how the XYZ color 16.6997, 21.0601, 3.1848 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 16.6997, 21.0601, 3.1848 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 16.6997, 21.0601, 3.1848

Background



This preview shows how black text looks on a background with the XYZ color 16.6997, 21.0601, 3.1848.



This preview shows how white text looks on a background with the XYZ color 16.6997, 21.0601,

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

16.6997, 21.0601, 3.1848

Protanopia

18.9171, 21.0184, 3.0599

Deuteranopia

21.3585, 20.9645, 3.6799



Tritanopia

21.1142, 21.0953, 25.1493

Trichromacy



Original Color

16.6997, 21.0601, 3.1848

Protanomaly

18.0036, 20.9348, 3.0919

Deuteranomaly

19.4455, 20.9020, 3.4251

Tritanomaly

18.4350, 20.5804, 11.5951

Monochromacy



Original Color

16.6997, 21.0601, 3.1848

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

15.6333, 18.2517, 9.0023

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.6997, 21.0601, 3.1848 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(124, 133, 0)` looks like.

```
.text, #text, p{  
    color:rgb(124, 133, 0)  
}
```

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(124, 133, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 133, 0) }
```

Border

The CSS property to change the border of an element to XYZ 16.6997, 21.0601, 3.1848 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(124, 133, 0) }
```


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

```
.border{ border-color:rgb(124, 133, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 133, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 133, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 133, 0);  
box-shadow:4px 4px 4px 4px rgb(124, 133,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 16.6997, 21.0601, 3.1848 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 133, 0) }
```

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

```
.background{ background-color: rgb(124,  
133, 0) }
```

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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