

Converting Colors

XYZ(17.1294, 21.2005, 3.1893)

Have a look what the booklet for
XYZ(17.1294, 21.2005, 3.1893)
contains.

XYZ(17.1399, 21.2871, 3.2054)	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>	30

Color

**XYZ(17.1399, 21.2871,
3.2054)**

Conversions

Conversions Part 1

Format	Color
Hex	7F8500
RGB	127, 133, 0
RGB Percent	50%, 52%, 0%
CMY	0.5020, 0.4784, 1.0000
CMYK	0.05, 0.00, 1.00, 0.48
HSL	63°, 100%, 26%
HSV	63°, 100%, 52%
XYZ	17.1399, 21.2871, 3.2054
YIQ	116.0440, 39.1170, -42.6350

Conversions

Conversions Part 2

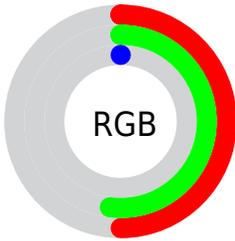
Format	Color
RYB	0, 133, 6
Decimal	8357120
CIELab	53.26, -16.06, 57.66
CIElCh	53, 59.858, 105.564
Yxy	21.2871, 0.4117, 0.5113
Android (android.graphics.Color)	4286547200 (0xFF7F8500)
YUV	116.0440, -57.2097, 9.6084
Hunter-Lab	46.1379, -14.4300, 28.1774

Details

The XYZ color **17.1399, 21.2871, 3.2054** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **4.3092, 1.7325, 22.2990**, and the grayscale version is **16.7763, 17.6500, 19.2208**.

A 20% lighter version of the original color is **38.1005, 45.5903, 12.1019**, and **5.9944, 7.7965, 1.1889** is the 20% darker color. If you saturate the color by 10%, you get **17.1403, 21.2880, 3.2056**, and if you desaturate by 10%, it is **17.3047, 21.3642, 3.6029**.

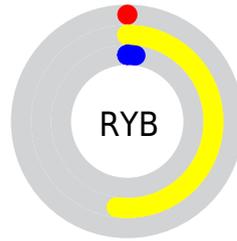
Distribution



Red (50%)

Green (52%)

Blue (0%)



Red (0%)

Yellow (52%)

Blue (2%)

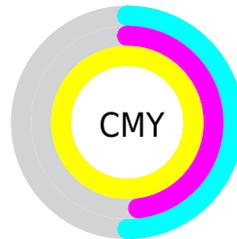


Cyan (5%)

Magenta (0%)

Yellow (100%)

Black (48%)



Cyan (50%)

Magenta (48%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.1399, 21.2871, 3.2054 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 17.1399, 21.2871, 3.2054 by changing the saturation by 10% instead.

■ 17.1399, 21.2871,
3.2054

■ 17.1399, 21.2871,
3.2054

229.1179,
258.8004, 138.9352

■ 10.4302, 13.3340,
1.2004

■ 38.1078, 45.5649,
12.1312

■ 5.7496, 7.6590,
0.0000

■ 53.0968, 62.6583,
19.8891

■ 2.7326, 3.8775,
0.0000

■ 71.5762, 83.5674,
30.4018

■ 1.0140, 1.6053,
0.0000

■ 93.9115, 108.6764,
44.0878

■ 0.0000, 0.3612,
0.0000

■ 120.4679,
138.3699, 61.3655

■ 0.0000, 0.0000,
0.0000

■ 151.6109,

173.0321, 82.6537

 187.7057,
213.0474, 108.3707

 17.1399, 21.2871,
3.2054

 17.1399, 21.2871,
3.2054

 17.1403, 21.2880,
3.2056

 17.3047, 21.3642,
3.6029

 17.5136, 21.4582,
4.2321

 17.7925, 21.5802,
5.2270

 18.1498, 21.7337,
6.6319

 18.5927, 21.9214,
8.4847

■ 19.1276, 22.1461,
10.8191

■ 19.7602, 22.4099,
13.6656

■ 20.4960, 22.7150,
17.0521

■ 21.3397, 23.0633,
21.0044

Harmonies

Analogous

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



23.4209, 21.2871, 3.1581



17.1399, 21.2871, 3.2054



12.7277, 21.2871, 6.3380

Triad

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



17.1399, 21.2871, 3.2054



12.8525, 21.2871, 58.0346



34.4550, 21.2871, 32.9981

Complementary

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



17.1399, 21.2871, 3.2054



4.3092, 1.7325, 22.2990

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.



30.2259, 21.2871, 57.1445



17.1399, 21.2871, 3.2054



17.3479, 21.2871, 75.9671

Square

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



17.1399, 21.2871, 3.2054



10.6277, 21.2871, 33.8439



23.6769, 21.2871, 75.5759



34.3666, 21.2871, 15.0276

Rectangle

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



17.1399, 21.2871, 3.2054



11.0524, 21.2871, 11.5429



23.6769, 21.2871, 75.5759



33.4581, 21.2871, 40.7926

Sweetspot

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



17.1404, 21.2881, 3.2058



35.3007, 40.0943, 24.0900



9.7217, 5.0833, 0.4690



7.8581, 8.9934, 4.9978



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.



17.1404, 21.2881, 3.2058



30.6566, 38.1015, 5.7386



10.3792, 17.8026, 2.8894



5.0195, 5.4126, 5.0096



16.3273, 20.2770, 3.0533



0.0582, 0.0711, 0.0107

Inverse Universe

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



4.3092, 1.7325, 22.2990



7.6796, 3.0832, 39.9288



6.8280, 3.0310, 22.4168



4.4525, 4.5538, 5.8451



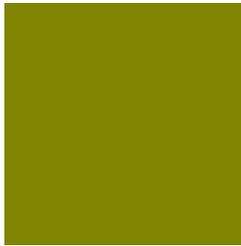
4.1061, 1.6509, 21.2389



0.0154, 0.0063, 0.0736

Previews

White Background



This preview shows how the XYZ color 17.1399, 21.2871, 3.2054 looks on a white background.

Color Contrast Check

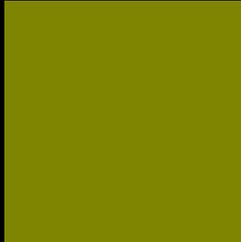
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.1399, 21.2871, 3.2054 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

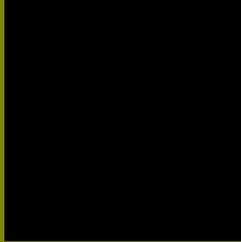
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 17.1399, 21.2871, 3.2054

Background



This preview shows how black text looks on a background with the XYZ color 17.1399, 21.2871, 3.2054.



This preview shows how white text looks on a background with the XYZ color 17.1399, 21.2871,

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

17.1399, 21.2871, 3.2054

Deuteranopia

21.6707, 21.3060, 3.6798

Tritanopia

21.5946, 21.3430, 25.1718

Trichromacy



Original Color

17.1399, 21.2871, 3.2054

Deuteranomaly

19.8007, 21.0859, 3.4071

Tritanomaly

18.9019, 20.8212, 11.6170

Monochromacy



Original Color

17.1399, 21.2871, 3.2054

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

15.9413, 18.4065, 9.1912

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.1399, 21.2871, 3.2054 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(127, 133, 0)` looks like.

```
.text, #text, p{  
    color:rgb(127, 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(127, 133, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 133, 0) }
```

Border

The CSS property to change the border of an element to XYZ 17.1399, 21.2871, 3.2054 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(127, 133, 0) }
```

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

```
.border{ border-color:rgb(127, 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(127, 133, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 133, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 133, 0);  
box-shadow:4px 4px 4px 4px rgb(127, 133,  
0) }
```


Background

The CSS property to change the background color of an element to XYZ 17.1399, 21.2871, 3.2054 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 133, 0) }
```

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

```
.background{ background-color: rgb(127,  
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](#).

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