

Converting Colors

XYZ(16.1621, 21.8637, 1.3129)

Have a look what the booklet for
XYZ(16.1621, 21.8637, 1.3129)
contains.

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Color

**XYZ(16.5597, 22.0285,
3.3791)**

Conversions

Conversions Part 1

Format	Color
Hex	768A00
RGB	118, 138, 0
RGB Percent	46%, 54%, 0%
CMY	0.5373, 0.4588, 1.0000
CMYK	0.14, 0.00, 1.00, 0.46
HSL	69°, 100%, 27%
HSV	69°, 100%, 54%
XYZ	16.5597, 22.0285, 3.3791
YIQ	116.2880, 32.3780, -47.1580

Conversions

Conversions Part 2

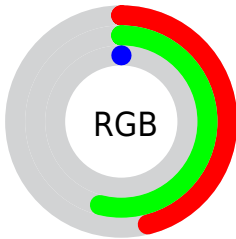
Format	Color
RYB	0, 138, 20
Decimal	7768576
CIELab	54.06, -22.71, 57.94
CIELCh	54, 62.230, 111.405
Yxy	22.0285, 0.3946, 0.5249
Android (android.graphics.Color)	4285958656 (0xFF768A00)
YUV	116.2880, -57.3300, 1.5014
Hunter-Lab	46.9345, -19.1561, 28.5855

Details

The XYZ color **16.5597, 22.0285, 3.3791** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **4.8765, 1.9841, 24.1720**, and the grayscale version is **16.8535, 17.7312, 19.3093**.

A 20% lighter version of the original color is **37.1297, 46.6776, 12.5216**, and **5.6697, 8.1033, 1.2653** is the 20% darker color. If you saturate the color by 10%, you get **16.5600, 22.0294, 3.3793**, and if you desaturate by 10%, it is **16.9127, 22.2022, 3.8028**.

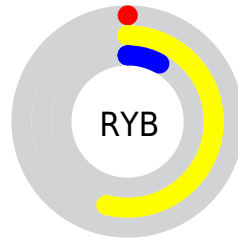
Distribution



Red (46%)

Green (54%)

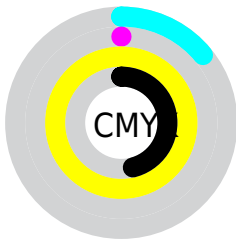
Blue (0%)



Red (0%)

Yellow (54%)

Blue (8%)

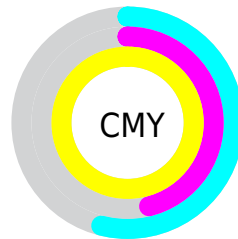


Cyan (14%)

Magenta (0%)

Yellow (100%)

Black (46%)



Cyan (54%)

Magenta (46%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.5597, 22.0285, 3.3791 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 16.5597, 22.0285, 3.3791 by changing the saturation by 10% instead.

■ 16.5597, 22.0285,
3.3791

■ 16.5597, 22.0285,
3.3791

■ 225.8282,
262.6951, 141.0516

■ 10.0144, 13.8778,
1.2913

■ 37.1168, 46.7931,
12.5504

■ 5.4709, 8.0358,
0.0547

■ 51.8594, 64.1758,
20.4710

■ 2.5637, 4.1178,
0.0000

■ 70.0651, 85.4047,
31.1729

■ 0.9275, 1.7397,
0.0000

■ 92.0993, 110.8641,
45.0747


■ 0.0000, 0.4492,
0.0000


■ 118.3274,
140.9385, 62.5949


■ 0.0000, 0.0000,
0.0000


■ 149.1146,


176.0121, 84.1521


 184.8264,
216.4695, 110.1648


 16.5597, 22.0285,
3.3791


 16.5597, 22.0285,
3.3791


 16.5600, 22.0294,
3.3793

 16.9127, 22.2022,
3.8028

 17.3201, 22.3976,
4.4846

 17.8088, 22.6261,
5.5642

 18.3881, 22.8916,
7.0903

 19.0659, 23.1971,
9.1046

■ 19.8494, 23.5456,
11.6440

■ 20.7448, 23.9396,
14.7419

■ 21.7580, 24.3814,
18.4289

■ 22.8945, 24.8732,
22.7335

Harmonies

Analogous

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



22.9321, 22.0285, 2.8320



16.5597, 22.0285, 3.3791



12.3625, 22.0285, 7.4957

Triad

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



16.5597, 22.0285, 3.3791



13.8562, 22.0285, 66.1923



36.5215, 22.0285, 29.9632

Complementary

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



16.5597, 22.0285, 3.3791



4.8765, 1.9841, 24.1720

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.



32.7714, 22.0285, 55.3395



16.5597, 22.0285, 3.3791



19.0619, 22.0285, 82.4838

Square

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



16.5597, 22.0285, 3.3791



11.0503, 22.0285, 40.2182



26.0258, 22.0285, 77.7021



35.4490, 22.0285, 12.8402

Rectangle

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



16.5597, 22.0285, 3.3791



10.9092, 22.0285, 13.9997



26.0258, 22.0285, 77.7021



35.7583, 22.0285, 37.8550

Sweetspot

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



16.5602, 22.0295, 3.3796



36.4560, 42.1480, 25.5992



10.7048, 5.8496, 0.5651



8.0441, 9.3953, 5.2761



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



16.5602, 22.0295, 3.3796



29.0862, 38.7760, 5.9515



10.4345, 18.8716, 3.0929



5.3610, 5.8089, 5.3911



15.1917, 20.2016, 3.0986



0.1099, 0.1389, 0.0210

Inverse Universe

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



4.8765, 1.9841, 24.1720



8.5090, 3.4525, 42.6011



8.5562, 3.8811, 24.3442



4.8378, 4.9248, 6.3014



4.4790, 1.8231, 22.1615



0.0372, 0.0159, 0.1476

Previews

White Background



This preview shows how the XYZ color 16.5597, 22.0285, 3.3791 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 16.5597, 22.0285, 3.3791 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 16.5597, 22.0285, 3.3791

Background



This preview shows how black text looks on a background with the XYZ color 16.5597, 22.0285, 3.3791.



This preview shows how white text looks on a background with the XYZ color 16.5597, 22.0285,

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

16.5597, 22.0285, 3.3791

Protanopia

19.7043, 21.8115, 3.1715

Deuteranopia

22.2287, 21.7715, 3.8949



Tritanopia

21.3599, 21.9404, 27.1539

Trichromacy



Original Color

16.5597, 22.0285, 3.3791

Protanomaly

18.4046, 21.7368, 3.2256

Deuteranomaly

19.8380, 21.6759, 3.5902

Tritanomaly

18.4702, 21.5671, 12.4219

Monochromacy



Original Color

16.5597, 22.0285, 3.3791

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

15.7798, 18.6916, 9.2547

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.5597, 22.0285, 3.3791 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(118, 138, 0)` looks like.

```
.text, #text, p{  
    color:rgb(118, 138, 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(118, 138, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 138, 0) }
```

Border

The CSS property to change the border of an element to XYZ 16.5597, 22.0285, 3.3791 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(118, 138, 0) }
```


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

```
.border{ border-color:rgb(118, 138, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 138, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 138, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 138, 0);  
box-shadow:4px 4px 4px 4px rgb(118, 138,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 16.5597, 22.0285, 3.3791 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 138, 0) }
```

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

```
.background{ background-color: rgb(118,  
138, 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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