

Converting Colors

XYZ(21.0001, 16.0000, 2.2687)

Have a look what the booklet for
XYZ(21.0001, 16.0000, 2.2687)
contains.

XYZ(21.0001, 16.0000, 2.2687)	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(21.0001, 16.0000,
2.2687)**

Conversions

Conversions Part 1

Format	Color
Hex	AE580A
RGB	174, 88, 10
RGB Percent	68%, 35%, 4%
CMY	0.3176, 0.6549, 0.9608
CMYK	0.00, 0.49, 0.94, 0.32
HSL	29°, 89%, 36%
HSV	29°, 94%, 68%
XYZ	21.0001, 16.0000, 2.2687
YIQ	104.8220, 76.2940, -6.0260

Conversions

Conversions Part 2

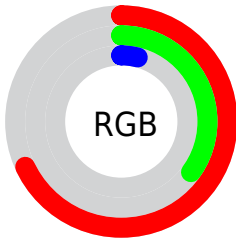
Format	Color
RYB	174, 159, 10
Decimal	11425802
CIELab	46.97, 30.83, 53.54
CIElCh	47, 61.784, 60.066
Yxy	16.0000, 0.5348, 0.4074
Android (android.graphics.Color)	4289615882 (0xFFAE580A)
YUV	104.8220, -46.7472, 60.6691
Hunter-Lab	40.0000, 23.7129, 24.6372

Details

The XYZ color **21.0001, 16.0000, 2.2687** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **11.9481, 11.4864, 41.6316**, and the grayscale version is **13.4877, 14.1901, 15.4531**.

A 20% lighter version of the original color is **44.4477, 36.5091, 9.7053**, and **7.8290, 5.1624, 0.5838** is the 20% darker color. If you saturate the color by 10%, you get **20.5303, 15.1482, 1.8418**, and if you desaturate by 10%, it is **21.9447, 17.6530, 3.3125**.

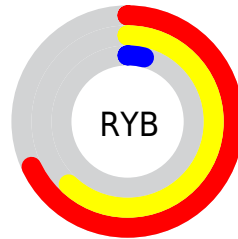
Distribution



Red (68%)

Green (35%)

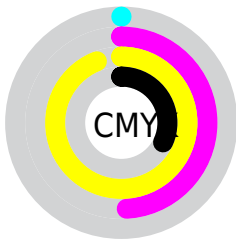
Blue (4%)



Red (68%)

Yellow (62%)

Blue (4%)

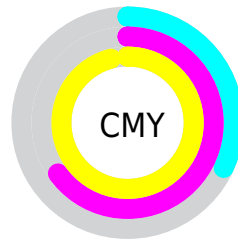


Cyan (0%)

Magenta (49%)

Yellow (94%)

Black (32%)



Cyan (32%)


Magenta (65%)


Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.0001, 16.0000, 2.2687 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 21.0001, 16.0000, 2.2687 by changing the saturation by 10% instead.


 21.0001, 16.0000,
2.2687


 21.0001, 16.0000,
2.2687


250.0107,
229.3417, 126.4188


 13.2365, 9.5242,
0.7136


 44.5790, 36.5982,
9.7632


 7.6697, 5.0846,
0.0000


 61.1250, 51.4894,
16.5608

 3.9344, 2.2970,
0.0000

 81.3292, 69.9544,
25.9499

 1.6651, 0.7721,
0.0000

 105.5570, 92.3777,
38.3492

 0.4343, 0.0000,
0.0000


 134.1737,
119.1437, 54.1773


 0.0000, 0.0000,
0.0000


 167.5446,


150.6368, 73.8525


 206.0352,
187.2413, 97.7935


 21.0001, 16.0000,
2.2687


 21.0001, 16.0000,
2.2687


 20.5303, 15.1482,
1.8418

 21.9447, 17.6530,
3.3125

 23.1056, 19.5470,
5.0183

 24.5045, 21.6965,
7.4835

 26.1596, 24.1134,
10.7890

 28.0869, 26.8088,
15.0051

■ 30.3009, 29.7928,
20.1946

■ 32.8149, 33.0750,
26.4149

■ 35.6414, 36.6643,
33.7185

■ 38.7919, 40.5695,
42.1547

Harmonies

Analogous

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



26.0812, 16.0000, 6.3656



21.0001, 16.0000, 2.2687



15.1955, 16.0000, 1.3945

Triad

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



21.0001, 16.0000, 2.2687



7.0075, 16.0000, 17.4557



21.0259, 16.0000, 57.9157

Complementary

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



21.0001, 16.0000, 2.2687



11.9481, 11.4864, 41.6316

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.



15.2195, 16.0000, 67.2942



21.0001, 16.0000, 2.2687



7.8745, 16.0000, 36.9724

Square

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



21.0001, 16.0000, 2.2687



7.8668, 16.0000, 6.3961



10.5920, 16.0000, 57.9923



26.0984, 16.0000, 36.8741

Rectangle

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



21.0001, 16.0000, 2.2687



11.9156, 16.0000, 1.7574



10.5920, 16.0000, 57.9923



19.0559, 16.0000, 62.9469

Sweetspot

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



21.0005, 16.0009, 2.2690



57.5190, 57.3998, 42.8881



19.7437, 10.0877, 12.3309



12.3614, 12.2034, 8.4932



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



21.0005, 16.0009, 2.2690



37.0193, 27.0358, 3.2673



31.6116, 37.2231, 5.8060



8.3076, 8.6201, 8.4394



14.9495, 11.1045, 1.3555



0.4709, 0.4190, 0.0561

Inverse Universe

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



11.9481, 11.4864, 41.6316



20.4559, 18.7387, 75.1757



7.9428, 3.4757, 40.2964



7.9133, 8.4261, 10.1620



8.3296, 7.7930, 30.1097



0.2860, 0.3254, 0.8557

Previews

White Background



This preview shows how the XYZ color 21.0001, 16.0000, 2.2687 looks on a white 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

Black Background



This preview shows how the XYZ color 21.0001, 16.0000, 2.2687 looks on a black 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

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

XYZ 21.0001, 16.0000, 2.2687

Background



This preview shows how black text looks on a background with the XYZ color 21.0001, 16.0000, 2.2687.



This preview shows how white text looks on a background with the XYZ color 21.0001, 16.0000,

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

21.0001, 16.0000, 2.2687

Protanopia

14.5075, 16.0676, 2.9090

Tritanopia

22.9102, 16.0863, 11.1300

Trichromacy



Original Color

21.0001, 16.0000, 2.2687

Protanomaly

16.2642, 15.5746, 2.6009

Tritanomaly

21.8904, 15.8970, 6.1896

Monochromacy



Original Color

21.0001, 16.0000, 2.2687

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

14.7733, 14.1117, 7.7395

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.0001, 16.0000, 2.2687 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(174, 88, 10)` looks like.

```
.text, #text, p{  
    color:rgb(174, 88, 10)  
}
```

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(174, 88, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 88, 10) }
```

Border

The CSS property to change the border of an element to XYZ 21.0001, 16.0000, 2.2687 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(174, 88, 10) }
```

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

```
.border{ border-color:rgb(174, 88, 10) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 88, 10)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 88, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 88, 10);  
box-shadow:4px 4px 4px 4px rgb(174, 88,  
10) }
```


Background

The CSS property to change the background color of an element to XYZ 21.0001, 16.0000, 2.2687 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 88, 10) }
```

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

```
.background{ background-color: rgb(174, 88,  
10) }
```

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