

Converting Colors

XYZ(21.5084, 16.8704, 3.3047)

Have a look what the booklet for
XYZ(21.5084, 16.8704, 3.3047)
contains.

XYZ(21.5917, 16.9161, 3.2895)	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>	31

Color

**XYZ(21.5917, 16.9161,
3.2895)**

Conversions

Conversions Part 1

Format	Color
Hex	AE5D1D
RGB	174, 93, 29
RGB Percent	68%, 36%, 11%
CMY	0.3176, 0.6353, 0.8863
CMYK	0.00, 0.47, 0.83, 0.32
HSL	26°, 71%, 40%
HSV	26°, 83%, 68%
XYZ	21.5917, 16.9161, 3.2895
YIQ	109.9230, 68.8200, -2.7320

Conversions

Conversions Part 2

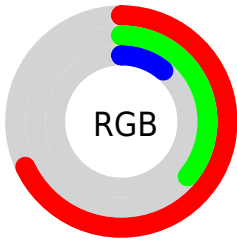
Format	Color
RYB	174, 144, 29
Decimal	11427101
CIELab	48.15, 28.56, 48.32
CIELCh	48, 56.128, 59.417
Yxy	16.9161, 0.5166, 0.4047
Android (android.graphics.Color)	4289617181 (0xFFAE5D1D)
YUV	109.9230, -39.8950, 56.1955
Hunter-Lab	41.1292, 21.7315, 24.0484

Details

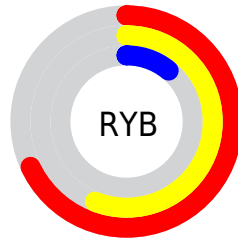
The XYZ color **21.5917, 16.9161, 3.2895** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **13.7222, 14.4682, 42.1135**, and the grayscale version is **14.8964, 15.6722, 17.0670**.

A 20% lighter version of the original color is **45.6455, 38.1732, 12.3595**, and **8.1408, 5.5898, 0.6499** is the 20% darker color. If you saturate the color by 10%, you get **20.6346, 15.2546, 2.1921**, and if you desaturate by 10%, it is **22.7795, 18.8449, 5.0633**.

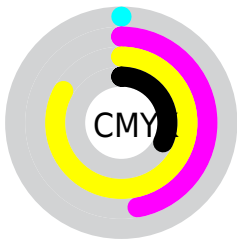
Distribution



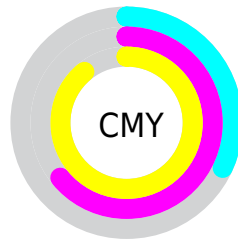
- Red (68%)
- Green (36%)
- Blue (11%)



- Red (68%)
- Yellow (56%)
- Blue (11%)



- Cyan (0%)
- Magenta (47%)
- Yellow (83%)
- Black (32%)





- Cyan (32%)
- Magenta (64%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.5917, 16.9161, 3.2895 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 21.5917, 16.9161, 3.2895 by changing the saturation by 10% instead.


 21.5917, 16.9161,
3.2895


 21.5917, 16.9161,
3.2895


253.0792,
234.6884, 139.9665


 13.6721, 10.1747,
1.2443


 45.5541, 38.1815,
12.3348


 7.9731, 5.5149,
0.0155

 62.3277, 53.4742,
20.1720


 4.1294, 2.5524,
0.0000

 82.7833, 72.3862,
30.7769

 1.7756, 0.9028,
0.0000

 107.2863, 95.3018,
44.5681

 0.5029, 0.0000,
0.0000

 136.2020,
122.6054, 61.9641

 0.0000, 0.0000,
0.0000

 169.8958,

154.6815, 83.3835

208.7331,
191.9144, 109.2448

21.5917, 16.9161,
3.2895

21.5917, 16.9161,
3.2895

20.6346, 15.2546,
2.1921

22.7795, 18.8449,
5.0633

20.0957, 14.2792,
1.6970

24.2185, 21.0532,
7.6082

25.9279, 23.5550,
11.0043

27.9240, 26.3627,
15.3215

30.2219, 29.4875,
20.6223

■ 32.8354, 32.9402,
26.9635

■ 35.7773, 36.7307,
34.3978

■ 39.0599, 40.8688,
42.9740

■ 42.6944, 45.3636,
52.7383

Harmonies

Analogous

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



26.2032, 16.9161, 7.7943



21.5917, 16.9161, 3.2895



16.1781, 16.9161, 2.2014

Triad

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



21.5917, 16.9161, 3.2895



8.1408, 16.9161, 18.1348



21.3823, 16.9161, 55.2295

Complementary

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



21.5917, 16.9161, 3.2895



13.7222, 14.4682, 42.1135

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.



15.9788, 16.9161, 63.0897



21.5917, 16.9161, 3.2895



8.9690, 16.9161, 35.9080

Square

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



21.5917, 16.9161, 3.2895



9.0367, 16.9161, 7.5189



11.5937, 16.9161, 54.6381



26.0654, 16.9161, 36.6851

Rectangle

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



21.5917, 16.9161, 3.2895



13.0382, 16.9161, 2.6111



11.5937, 16.9161, 54.6381



19.5575, 16.9161, 59.5381

Sweetspot

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



21.5921, 16.9170, 3.2898



58.5114, 58.3786, 46.3200



20.7733, 11.0288, 16.1211



12.6367, 12.4904, 9.3974



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.



21.5921, 16.9170, 3.2898



36.2371, 25.4714, 3.0066



31.0124, 35.7576, 6.4299



8.2853, 8.5754, 8.4319



14.6329, 10.4714, 1.2499



0.4622, 0.4015, 0.0531

Inverse Universe

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



13.7222, 14.4682, 42.1135



21.4181, 20.6631, 75.4964



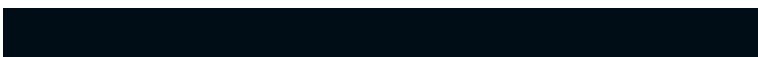
8.8614, 4.7466, 40.4933



7.9360, 8.4713, 10.1695



8.7147, 8.5633, 30.2381



0.2958, 0.3449, 0.8590

Previews

White Background



This preview shows how the XYZ color 21.5917, 16.9161, 3.2895 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 21.5917, 16.9161, 3.2895 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 21.5917, 16.9161, 3.2895

Background



This preview shows how black text looks on a background with the XYZ color 21.5917, 16.9161, 3.2895.



This preview shows how white text looks on a background with the XYZ color 21.5917, 16.9161,

3.2895.

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

21.5917, 16.9161, 3.2895

Protanopia

15.4874, 17.0499, 4.0648

Deuteranopia

17.2811, 17.0112, 3.0821



Tritanopia

23.5154, 16.9538, 12.3889

Trichromacy



Original Color

21.5917, 16.9161, 3.2895

Protanomaly

17.2093, 16.6449, 3.7446

Deuteranomaly

18.7254, 16.8344, 3.1266

Tritanomaly

22.5824, 16.8171, 7.8501

Monochromacy



Original Color

21.5917, 16.9161, 3.2895

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

16.1084, 15.4813, 9.9238

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.5917, 16.9161, 3.2895 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, 93, 29)` looks like.

```
.text, #text, p{  
    color:rgb(174, 93, 29)  
}
```

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, 93, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 93, 29) }
```

Border

The CSS property to change the border of an element to XYZ 21.5917, 16.9161, 3.2895 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, 93, 29) }
```


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

```
.border{ border-color:rgb(174, 93, 29) }
```

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

Here you see how a box with a 4 pixel rgb(174, 93, 29) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 93, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 93, 29);  
box-shadow:4px 4px 4px 4px rgb(174, 93,  
29) }
```

Background

The CSS property to change the background color of an element to XYZ 21.5917, 16.9161, 3.2895 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 93, 29) }
```

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

```
.background{ background-color: rgb(174, 93,  
29) }
```

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