

Converting Colors

XYZ(21.5165, 16.6682, 3.2950)

Have a look what the booklet for
XYZ(21.5165, 16.6682, 3.2950)
contains.

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Color

**XYZ(21.4310, 16.5746,
3.2980)**

Conversions

Conversions Part 1

Format	Color
Hex	AE5B1E
RGB	174, 91, 30
RGB Percent	68%, 36%, 12%
CMY	0.3176, 0.6431, 0.8823
CMYK	0.00, 0.48, 0.83, 0.32
HSL	25°, 71%, 40%
HSV	25°, 83%, 68%
XYZ	21.4310, 16.5746, 3.2980
YIQ	108.8630, 69.0490, -1.3750

Conversions

Conversions Part 2

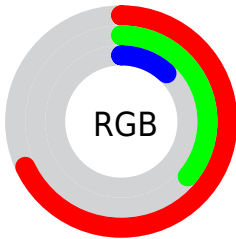
Format	Color
RYB	174, 136, 30
Decimal	11426590
CIELab	47.72, 29.67, 47.52
CIELCh	48, 56.021, 58.017
Yxy	16.5746, 0.5189, 0.4013
Android (android.graphics.Color)	4289616670 (0xFFAE5B1E)
YUV	108.8630, -38.8795, 57.1251
Hunter-Lab	40.7119, 22.7176, 23.6954

Details

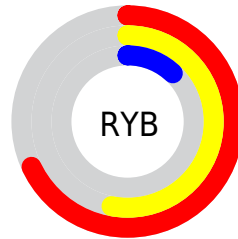
The XYZ color **21.4310, 16.5746, 3.2980** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **14.0801, 15.1414, 42.2246**, and the grayscale version is **14.5905, 15.3504, 16.7166**.

A 20% lighter version of the original color is **45.3452, 37.5727, 12.2594**, and **8.0663, 5.4408, 0.6250** is the 20% darker color. If you saturate the color by 10%, you get **20.4663, 14.9081, 2.1663**, and if you desaturate by 10%, it is **22.6337, 18.5211, 5.1141**.

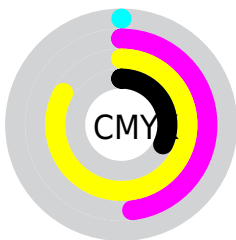
Distribution



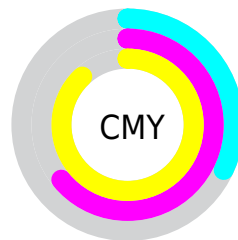
- Red (68%)
- Green (36%)
- Blue (12%)



- Red (68%)
- Yellow (53%)
- Blue (12%)



- Cyan (0%)
- Magenta (48%)
- Yellow (83%)
- Black (32%)



- Cyan (32%)
- Magenta (64%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.4310, 16.5746, 3.2980 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 21.4310, 16.5746, 3.2980 by changing the saturation by 10% instead.

■ 21.4310, 16.5746,
3.2980

■ 21.4310, 16.5746,
3.2980

252.2488,
232.7088, 140.0700

■ 13.5537, 9.9317,
1.2487

■ 45.2896, 37.5929,
12.3553

■ 7.8905, 5.3537,
0.0192

■ 62.0016, 52.7371,
20.2005

■ 4.0762, 2.4562,
0.0000

■ 82.3893, 71.4837,
30.8146

■ 1.7453, 0.8546,
0.0000

■ 106.8178, 94.2173,
44.6164

■ 0.4844, 0.0000,
0.0000

■ 135.6527,
121.3223, 62.0243

■ 0.0000, 0.0000,
0.0000

■ 169.2593,

153.1829, 83.4568

208.0029,
190.1836, 109.3325

21.4310, 16.5746,
3.2980

21.4310, 16.5746,
3.2980

20.4663, 14.9081,
2.1663

22.6337, 18.5211,
5.1141

19.8851, 13.8580,
1.6268

24.0951, 20.7606,
7.7083

25.8346, 23.3079,
11.1603

27.8689, 26.1759,
15.5395

30.2132, 29.3766,
20.9081

■ 32.8817, 32.9214,
27.3230

■ 35.8876, 36.8208,
34.8365

■ 39.2431, 41.0852,
43.4975

■ 42.9599, 45.7242,
53.3520

Harmonies

Analogous

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



25.8881, 16.5746, 7.9369



21.4310, 16.5746, 3.2980



16.0895, 16.5746, 2.1282

Triad

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



21.4310, 16.5746, 3.2980



7.9501, 16.5746, 17.1085



20.7296, 16.5746, 55.0370

Complementary

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



21.4310, 16.5746, 3.2980



14.0801, 15.1414, 42.2246

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.



15.4225, 16.5746, 62.0877



21.4310, 16.5746, 3.2980



8.6840, 16.5746, 34.3696

Square

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



21.4310, 16.5746, 3.2980



8.9101, 16.5746, 7.0180



11.1795, 16.5746, 53.0526



25.4264, 16.5746, 36.9747

Rectangle

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



21.4310, 16.5746, 3.2980



12.9562, 16.5746, 2.4662



11.1795, 16.5746, 53.0526



18.9273, 16.5746, 59.0897

Sweetspot

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



21.4314, 16.5755, 3.2983



58.2858, 57.9276, 46.2448



20.9571, 11.1422, 16.9659



12.5814, 12.3799, 9.3790



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.



21.4314, 16.5755, 3.2983



35.9920, 24.9612, 2.9862



30.6101, 34.9329, 6.3579



8.2737, 8.5522, 8.4280



14.4793, 10.1640, 1.1987



0.4577, 0.3926, 0.0517

Inverse Universe

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



14.0801, 15.1414, 42.2246



22.1062, 21.9970, 75.7176



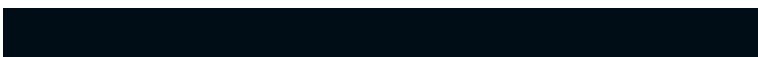
9.0035, 4.9881, 40.5324



7.9477, 8.4948, 10.1735



8.9263, 8.9865, 30.3086



0.3010, 0.3554, 0.8607

Previews

White Background



This preview shows how the XYZ color 21.4310, 16.5746, 3.2980 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 21.4310, 16.5746, 3.2980 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 21.4310, 16.5746, 3.2980

Background



This preview shows how black text looks on a background with the XYZ color 21.4310, 16.5746, 3.2980.



This preview shows how white text looks on a background with the XYZ color 21.4310, 16.5746,

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

21.4310, 16.5746, 3.2980

Protanopia

15.2378, 16.7512, 4.0992

Deuteranopia

16.8351, 16.6227, 3.0803



Tritanopia

23.2683, 16.5994, 11.8752

Trichromacy



Original Color

21.4310, 16.5746, 3.2980

Protanomaly

17.1198, 16.4433, 3.7849

Deuteranomaly

18.2533, 16.4430, 3.1315

Tritanomaly

22.3869, 16.4762, 7.6305

Monochromacy



Original Color

21.4310, 16.5746, 3.2980

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

15.8722, 15.0685, 9.6614

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.4310, 16.5746, 3.2980 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, 91, 30)` looks like.

```
.text, #text, p{  
    color:rgb(174, 91, 30)  
}
```

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, 91, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 91, 30) }
```

Border

The CSS property to change the border of an element to XYZ 21.4310, 16.5746, 3.2980 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, 91, 30) }
```


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

```
.border{ border-color:rgb(174, 91, 30) }
```

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

Here you see how a box with a 4 pixel rgb(174, 91, 30) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 91, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 91, 30);  
box-shadow:4px 4px 4px 4px rgb(174, 91,  
30) }
```

Background

The CSS property to change the background color of an element to XYZ 21.4310, 16.5746, 3.2980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 91, 30) }
```

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

```
.background{ background-color: rgb(174, 91,  
30) }
```

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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