

Converting Colors

XYZ(21.8913, 17.5641, 3.4796)

Have a look what the booklet for
XYZ(21.8913, 17.5641, 3.4796)
contains.

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Color

**XYZ(21.9646, 17.6418,
3.4758)**

Conversions

Conversions Part 1

Format	Color
Hex	AE611E
RGB	174, 97, 30
RGB Percent	68%, 38%, 12%
CMY	0.3176, 0.6196, 0.8823
CMYK	0.00, 0.44, 0.83, 0.32
HSL	28°, 71%, 40%
HSV	28°, 83%, 68%
XYZ	21.9646, 17.6418, 3.4758
YIQ	112.3850, 67.3990, -4.5130

Conversions

Conversions Part 2

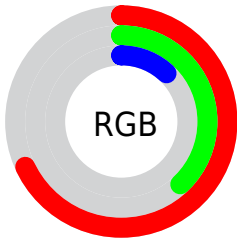
Format	Color
RYB	174, 155, 30
Decimal	11428126
CIELab	49.06, 26.40, 48.73
CIELCh	49, 55.420, 61.546
Yxy	17.6418, 0.5098, 0.4095
Android (android.graphics.Color)	4289618206 (0xFFAE611E)
YUV	112.3850, -40.6158, 54.0364
Hunter-Lab	42.0021, 19.8410, 24.4951

Details

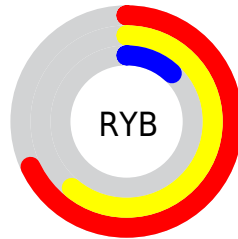
The XYZ color **21.9646, 17.6418, 3.4758** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **13.4326, 13.8465, 42.0088**, and the grayscale version is **15.6168, 16.4301, 17.8924**.

A 20% lighter version of the original color is **45.9696, 39.2514, 12.7428**, and **8.3008, 5.9096, 0.7032** is the 20% darker color. If you saturate the color by 10%, you get **20.9908, 15.9572, 2.3412**, and if you desaturate by 10%, it is **23.1626, 19.5790, 5.2903**.

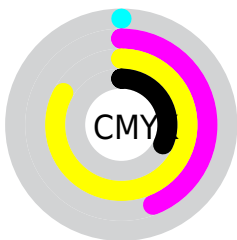
Distribution



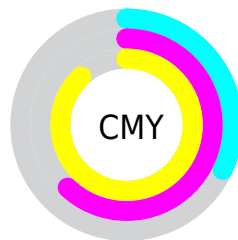
- Red (68%)
- Green (38%)
- Blue (12%)



- Red (68%)
- Yellow (61%)
- Blue (12%)



- Cyan (0%)
- Magenta (44%)
- Yellow (83%)
- Black (32%)



- Cyan (32%)
- Magenta (62%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.9646, 17.6418, 3.4758 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 21.9646, 17.6418, 3.4758 by changing the saturation by 10% instead.

■ 21.9646, 17.6418,
3.4758

■ 21.9646, 17.6418,
3.4758

254.9972,
238.8442, 142.2074

■ 13.9473, 10.6931,
1.3424

■ 46.1668, 39.4260,
12.7815

■ 8.1655, 5.8609,
0.0962

■ 63.0824, 55.0303,
20.7909

■ 4.2537, 2.7607,
0.0000

■ 83.6949, 74.2887,
31.5961

■ 1.8467, 1.0081,
0.0000

■ 108.3695, 97.5854,
45.6156

■ 0.5455, 0.0000,
0.0000

■ 137.4717,
125.3049, 63.2679

■ 0.0000, 0.0000,
0.0000

■ 171.3668,

157.8316, 84.9717

210.4202,
195.5499, 111.1453

21.9646, 17.6418,
3.4758

21.9646, 17.6418,
3.4758

20.9908, 15.9572,
2.3412

23.1626, 19.5790,
5.2903

20.3952, 14.8781,
1.7968

24.6046, 21.7796,
7.8780

26.3091, 24.2569,
11.3183

28.2919, 27.0220,
15.6803

30.5676, 30.0854,
21.0260

■ 33.1495, 33.4569,
27.4120

■ 36.0500, 37.1457,
34.8903

■ 39.2808, 41.1608,
43.5097

■ 42.8530, 45.5105,
53.3160

Harmonies

Analogous

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



26.7474, 17.6418, 7.8316



21.9646, 17.6418, 3.4758



16.5011, 17.6418, 2.4902

Triad

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



21.9646, 17.6418, 3.4758



8.6641, 17.6418, 19.9876



22.5256, 17.6418, 55.1235

Complementary

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



21.9646, 17.6418, 3.4758



13.4326, 13.8465, 42.0088

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.



17.0377, 17.6418, 64.0414



21.9646, 17.6418, 3.4758



9.6425, 17.6418, 38.2874

Square

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



21.9646, 17.6418, 3.4758



9.4582, 17.6418, 8.5863



12.4634, 17.6418, 56.6897



27.1153, 17.6418, 36.2180

Rectangle

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



21.9646, 17.6418, 3.4758



13.3755, 17.6418, 3.0323



12.4634, 17.6418, 56.6897



20.6905, 17.6418, 59.7251

Sweetspot

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



21.9650, 17.6427, 3.4761



58.8171, 58.9901, 46.4219



20.6909, 11.0357, 15.5642



12.7117, 12.6404, 9.4224



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.



21.9650, 17.6427, 3.4761



36.9137, 26.8047, 3.2934



31.4718, 36.6564, 6.6451



8.3009, 8.6066, 8.4371



14.8512, 10.9079, 1.3227



0.4682, 0.4136, 0.0552

Inverse Universe

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



13.4326, 13.8465, 42.0088



20.8959, 19.5764, 75.3142



8.8433, 4.6677, 40.4790



7.9202, 8.4397, 10.1643



8.4426, 8.0191, 30.1474



0.2889, 0.3312, 0.8567

Previews

White Background



This preview shows how the XYZ color 21.9646, 17.6418, 3.4758 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 21.9646, 17.6418, 3.4758 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 21.9646, 17.6418, 3.4758

Background



This preview shows how black text looks on a background with the XYZ color 21.9646, 17.6418, 3.4758.



This preview shows how white text looks on a background with the XYZ color 21.9646, 17.6418,

3.4758.

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

21.9646, 17.6418, 3.4758

Protanopia

16.0247, 17.6692, 4.1560

Deuteranopia

18.0518, 17.7266, 3.2808



Tritanopia

24.0302, 17.6923, 13.4577

Trichromacy



Original Color

21.9646, 17.6418, 3.4758

Protanomaly

17.8831, 17.4647, 3.8673

Deuteranomaly

19.2451, 17.5507, 3.3506

Tritanomaly

23.0214, 17.5398, 8.4755

Monochromacy



Original Color

21.9646, 17.6418, 3.4758

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

16.7724, 16.2755, 10.2401

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.9646, 17.6418, 3.4758 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, 97, 30)` looks like.

```
.text, #text, p{  
    color:rgb(174, 97, 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, 97, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 97, 30) }
```

Border

The CSS property to change the border of an element to XYZ 21.9646, 17.6418, 3.4758 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, 97, 30) }
```


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

```
.border{ border-color:rgb(174, 97, 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, 97, 30) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 97, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 97, 30);  
box-shadow:4px 4px 4px 4px rgb(174, 97,  
30) }
```

Background

The CSS property to change the background color of an element to XYZ 21.9646, 17.6418, 3.4758 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 97, 30) }
```

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

```
.background{ background-color: rgb(174, 97,  
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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