

Converting Colors

XYZ(22.3002, 17.7792, 3.8820)

Have a look what the booklet for
XYZ(22.3002, 17.7792, 3.8820)
contains.

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Color

**XYZ(22.2573, 17.7847,
3.8498)**

Conversions

Conversions Part 1

Format	Color
Hex	AF6123
RGB	175, 97, 35
RGB Percent	69%, 38%, 14%
CMY	0.3137, 0.6196, 0.8627
CMYK	0.00, 0.45, 0.80, 0.31
HSL	27°, 67%, 41%
HSV	27°, 80%, 69%
XYZ	22.2573, 17.7847, 3.8498
YIQ	113.2540, 66.3900, -2.7460

Conversions

Conversions Part 2

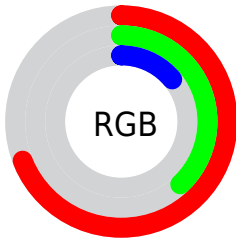
Format	Color
R_{YB}	175, 146, 35
Decimal	11493667
CIE Lab	49.23, 27.01, 46.83
CIE LCh	49, 54.059, 60.028
Yxy	17.7847, 0.5071, 0.4052
Android (android.graphics.Color)	4289683747 (0xFFAF6123)
YUV	113.2540, -38.5792, 54.1512
Hunter-Lab	42.1719, 20.4071, 24.1079

Details

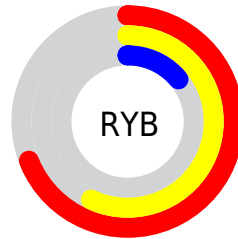
The XYZ color **22.2573, 17.7847, 3.8498** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **14.3357, 15.2619, 42.7475**, and the grayscale version is **15.8693, 16.6958, 18.1817**.

A 20% lighter version of the original color is **46.4511, 39.4821, 13.5601**, and **8.4344, 5.9785, 0.7094** is the 20% darker color. If you saturate the color by 10%, you get **21.2132, 16.0139, 2.5241**, and if you desaturate by 10%, it is **23.5425, 19.8307, 5.8953**.

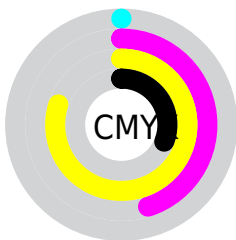
Distribution



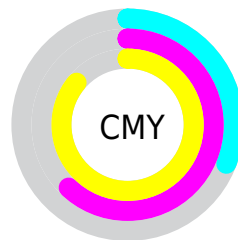
- Red (69%)
- Green (38%)
- Blue (14%)



- Red (69%)
- Yellow (57%)
- Blue (14%)



- Cyan (0%)
- Magenta (45%)
- Yellow (80%)
- Black (31%)



- Cyan (31%)
- Magenta (62%)
- Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.2573, 17.7847, 3.8498 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 22.2573, 17.7847, 3.8498 by changing the saturation by 10% instead.

■ 22.2573, 17.7847,
3.8498

■ 22.2573, 17.7847,
3.8498

256.4942,
239.6547, 146.5410

■ 14.1637, 10.7955,
1.5433

■ 46.6466, 39.6701,
13.6618

■ 8.3171, 5.9295,
0.2499

■ 63.6730, 55.3351,
22.0045

■ 4.3520, 2.8023,
0.0000

■ 84.4078, 74.6609,
33.1963

■ 1.9032, 1.0294,
0.0000

■ 109.2163, 98.0318,
47.6557

■ 0.5787, 0.0000,
0.0000

■ 138.4638,
125.8323, 65.8013

■ 0.0000, 0.0000,
0.0000

■ 172.5157,

158.4466, 88.0518

211.7374,
196.2593, 114.8254

22.2573, 17.7847,
3.8498

22.2573, 17.7847,
3.8498

21.2132, 16.0139,
2.5241

23.5425, 19.8307,
5.8953

20.3686, 14.4928,
1.7239

25.0883, 22.1635,
8.7503

20.3685, 14.4927,
1.7238

26.9133, 24.7969,
12.4925

29.0336, 27.7430,
17.1898

31.4639, 31.0131,
22.9035

■ 34.2179, 34.6175,
29.6900

■ 37.3084, 38.5664,
37.6010

■ 40.7472, 42.8694,
46.6853

■ 44.5460, 47.5354,
56.9885

Harmonies

Analogous

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



26.8278, 17.7847, 8.4831



22.2573, 17.7847, 3.8498



16.8991, 17.7847, 2.7128

Triad

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



22.2573, 17.7847, 3.8498



8.9086, 17.7847, 19.3781



22.2671, 17.7847, 54.9939

Complementary

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



22.2573, 17.7847, 3.8498



14.3357, 15.2619, 42.7475

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.



16.9085, 17.7847, 62.8570



22.2573, 17.7847, 3.8498



9.7899, 17.7847, 36.9674

Square

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



22.2573, 17.7847, 3.8498



9.7866, 17.7847, 8.4966



12.4860, 17.7847, 55.0211



26.8342, 17.7847, 36.9313

Rectangle

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



22.2573, 17.7847, 3.8498



13.7799, 17.7847, 3.1942



12.4860, 17.7847, 55.0211



20.4675, 17.7847, 59.2275

Sweetspot

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



22.2577, 17.7856, 3.8501



59.0323, 59.0733, 47.5638



21.3365, 11.5386, 17.1220



12.7425, 12.6334, 9.6447



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.



22.2577, 17.7856, 3.8501



36.8225, 26.5625, 3.4470



31.5582, 36.3866, 6.9503



8.2862, 8.5773, 8.4322



14.6460, 10.4976, 1.2543



0.4625, 0.4022, 0.0533

Inverse Universe

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



14.3357, 15.2619, 42.7475



22.0154, 21.6890, 75.6629



9.3442, 5.2789, 41.0837



7.9350, 8.4693, 10.1692



8.6975, 8.5289, 30.2323



0.2954, 0.3441, 0.8588

Previews

White Background



This preview shows how the XYZ color 22.2573, 17.7847, 3.8498 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 22.2573, 17.7847, 3.8498 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 22.2573, 17.7847, 3.8498

Background



This preview shows how black text looks on a background with the XYZ color 22.2573, 17.7847, 3.8498.



This preview shows how white text looks on a background with the XYZ color 22.2573, 17.7847,

3.8498.

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

22.2573, 17.7847, 3.8498

Protanopia

16.2215, 17.9354, 4.6144

Deuteranopia

18.2287, 17.9729, 3.6708



Tritanopia

24.2589, 17.8102, 13.4684

Trichromacy



Original Color

22.2573, 17.7847, 3.8498

Protanomaly

17.9584, 17.4948, 4.2641

Deuteranomaly

19.6056, 17.8834, 3.7148

Tritanomaly

23.2818, 17.6702, 8.6622

Monochromacy



Original Color

22.2573, 17.7847, 3.8498

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

17.0507, 16.4055, 10.8622

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.2573, 17.7847, 3.8498 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(175, 97, 35)` looks like.

```
.text, #text, p{  
    color:rgb(175, 97, 35)  
}
```

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(175, 97, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 97, 35) }
```

Border

The CSS property to change the border of an element to XYZ 22.2573, 17.7847, 3.8498 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(175, 97, 35) }
```


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

```
.border{ border-color:rgb(175, 97, 35) }
```

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

Here you see how a box with a 4 pixel rgb(175, 97, 35) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 97, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 97, 35);  
box-shadow:4px 4px 4px 4px rgb(175, 97,  
35) }
```

Background

The CSS property to change the background color of an element to XYZ 22.2573, 17.7847, 3.8498 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 97, 35) }
```

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

```
.background{ background-color: rgb(175, 97,  
35) }
```

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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