

Converting Colors

XYZ(22.6582, 17.3242, 4.0047)

Have a look what the booklet for
XYZ(22.6582, 17.3242, 4.0047)
contains.

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Color

**XYZ(22.5371, 17.2592,
3.9772)**

Conversions

Conversions Part 1

Format	Color
Hex	B25C26
RGB	178, 92, 38
RGB Percent	70%, 36%, 15%
CMY	0.3020, 0.6392, 0.8510
CMYK	0.00, 0.48, 0.79, 0.30
HSL	23°, 65%, 42%
HSV	23°, 79%, 70%
XYZ	22.5371, 17.2592, 3.9772
YIQ	111.5580, 68.5900, 1.4380

Conversions

Conversions Part 2

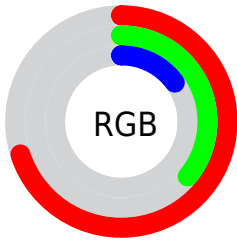
Format	Color
RYB	178, 126, 38
Decimal	11688998
CIELab	48.58, 31.09, 44.99
CIELCh	49, 54.690, 55.356
Yxy	17.2592, 0.5149, 0.3943
Android (android.graphics.Color)	4289879078 (0xFFB25C26)
YUV	111.5580, -36.2641, 58.2696
Hunter-Lab	41.5442, 24.1312, 23.4049

Details

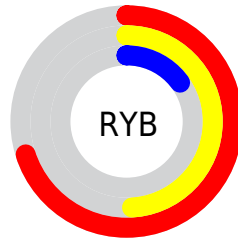
The XYZ color **22.5371, 17.2592, 3.9772** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **16.0422, 18.0405, 44.7559**, and the grayscale version is **15.3608, 16.1608, 17.5991**.

A 20% lighter version of the original color is **47.1394, 38.6838, 13.9990**, and **8.4716, 5.6497, 0.6440** is the 20% darker color. If you saturate the color by 10%, you get **21.4358, 15.4117, 2.5162**, and if you desaturate by 10%, it is **23.9131, 19.4369, 6.2073**.

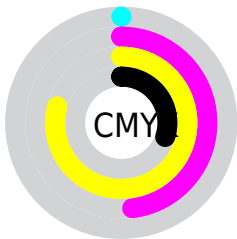
Distribution



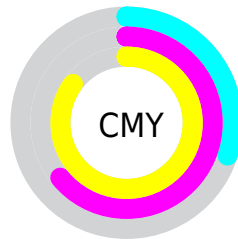
- Red (70%)
- Green (36%)
- Blue (15%)



- Red (70%)
- Yellow (49%)
- Blue (15%)



- Cyan (0%)
- Magenta (48%)
- Yellow (79%)
- Black (30%)





- Cyan (30%)
- Magenta (64%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 22.5371, 17.2592, 3.9772 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 22.5371, 17.2592, 3.9772 by changing the saturation by 10% instead.

 22.5371, 17.2592,
3.9772


 22.5371, 17.2592,
3.9772


257.9184,
236.6617, 147.9716


 14.3709, 10.4195,
1.6128


 47.1044, 38.7709,
13.9571


 8.4625, 5.6780,
0.3000


 64.2362, 54.2116,
22.4098

 4.4466, 2.6503,
0.0000

 85.0872, 73.2882,
33.7290

 1.9577, 0.9520,
0.0000

 110.0228, 96.3849,
48.3332

 0.6101, 0.0000,
0.0000

 139.4084,
123.8863, 66.6411

 0.0000, 0.0000,
0.0000

 173.6093,

156.1766, 89.0711

212.9909,
193.6402, 116.0417

■ 22.5371, 17.2592,
3.9772

■ 22.5371, 17.2592,
3.9772

■ 21.4358, 15.4117,
2.5162

■ 23.9131, 19.4369,
6.2073

■ 20.5720, 13.8678,
1.6615

■ 25.5856, 21.9599,
9.2985

■ 20.4675, 13.6799,
1.5617

■ 27.5748, 24.8455,
13.3308

■ 29.8987, 28.1086,
18.3744

■ 32.5739, 31.7633,
24.4931

■ 35.6154, 35.8231,
31.7450

■ 39.0378, 40.3004,
40.1843

■ 42.8545, 45.2073,
49.8616

■ 47.0782, 50.5554,
60.8244

Harmonies

Analogous

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



26.7840, 17.2592, 9.2537



22.5371, 17.2592, 3.9772



17.1996, 17.2592, 2.4997

Triad

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



22.5371, 17.2592, 3.9772



8.5316, 17.2592, 16.6387



20.9029, 17.2592, 56.5621

Complementary

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



22.5371, 17.2592, 3.9772



16.0422, 18.0405, 44.7559

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.



15.6340, 17.2592, 62.1053



22.5371, 17.2592, 3.9772



9.1268, 17.2592, 33.3191

Square

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



22.5371, 17.2592, 3.9772



9.6666, 17.2592, 7.0376



11.4992, 17.2592, 52.0166



25.7133, 17.2592, 39.3365

Rectangle

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



22.5371, 17.2592, 3.9772



13.9749, 17.2592, 2.7410



11.4992, 17.2592, 52.0166



19.1002, 17.2592, 60.1348

Sweetspot

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



22.5375, 17.2601, 3.9775



61.3247, 60.6286, 49.7306



22.7124, 12.3149, 20.3595



13.1687, 12.8715, 10.0314



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



22.5375, 17.2601, 3.9775



37.7475, 25.9433, 3.4308



31.5715, 35.3281, 6.9888



8.7562, 9.0249, 8.9330



14.7019, 9.9023, 1.1365



0.5201, 0.4266, 0.0549

Inverse Universe

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



16.0422, 18.0405, 44.7559



25.3279, 27.0726, 80.2718



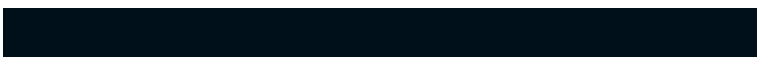
10.1700, 6.2960, 42.7985



8.4619, 9.0700, 10.8110



9.7507, 10.3018, 31.6115



0.3613, 0.4331, 1.0128

Previews

White Background



This preview shows how the XYZ color 22.5371, 17.2592, 3.9772 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 22.5371, 17.2592, 3.9772 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 22.5371, 17.2592, 3.9772

Background



This preview shows how black text looks on a background with the XYZ color 22.5371, 17.2592, 3.9772.



This preview shows how white text looks on a background with the XYZ color 22.5371, 17.2592,

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

22.5371, 17.2592, 3.9772

Protanopia

15.7723, 17.3474, 4.9997

Deuteranopia

17.6907, 17.3671, 3.7863



Tritanopia

24.3156, 17.2520, 12.1736

Trichromacy



Original Color

22.5371, 17.2592, 3.9772

Protanomaly

17.7082, 16.8856, 4.5164

Deuteranomaly

19.2395, 17.0851, 3.7971

Tritanomaly

23.4818, 17.1506, 8.2037

Monochromacy



Original Color

22.5371, 17.2592, 3.9772

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

16.8446, 15.9933, 10.7935

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.5371, 17.2592, 3.9772 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(178, 92, 38)` looks like.

```
.text, #text, p{  
    color:rgb(178, 92, 38)  
}
```

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(178, 92, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 92, 38) }
```

Border

The CSS property to change the border of an element to XYZ 22.5371, 17.2592, 3.9772 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(178, 92, 38) }
```


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

```
.border{ border-color:rgb(178, 92, 38) }
```

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

Here you see how a box with a 4 pixel rgb(178, 92, 38) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 92, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 92, 38);  
box-shadow:4px 4px 4px 4px rgb(178, 92,  
38) }
```

Background

The CSS property to change the background color of an element to XYZ 22.5371, 17.2592, 3.9772 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 92, 38) }
```

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

```
.background{ background-color: rgb(178, 92,  
38) }
```

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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