

Converting Colors

XYZ(22.2901, 17.0677, 4.2713)

Have a look what the booklet for
XYZ(22.2901, 17.0677, 4.2713)
contains.

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Color

**XYZ(22.3765, 17.1686,
4.3250)**

Conversions

Conversions Part 1

Format	Color
Hex	B15C2A
RGB	177, 92, 42
RGB Percent	69%, 36%, 16%
CMY	0.3059, 0.6392, 0.8353
CMYK	0.00, 0.48, 0.76, 0.31
HSL	22°, 62%, 43%
HSV	22°, 76%, 69%
XYZ	22.3765, 17.1686, 4.3250
YIQ	111.7150, 66.7100, 2.4700

Conversions

Conversions Part 2

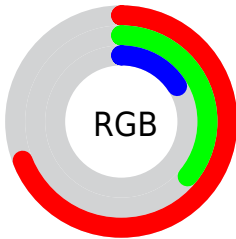
Format	Color
RYB	177, 121, 42
Decimal	11623466
CIELab	48.47, 30.84, 42.92
CIElCh	48, 52.850, 54.299
Yxy	17.1686, 0.5101, 0.3914
Android (android.graphics.Color)	4289813546 (0xFFB15C2A)
YUV	111.7150, -34.3695, 57.2549
Hunter-Lab	41.4350, 23.8856, 22.8158

Details

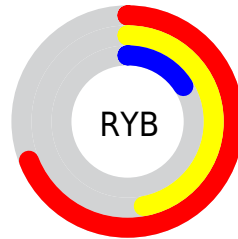
The XYZ color **22.3765, 17.1686, 4.3250** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **16.4794, 18.8440, 44.3632**, and the grayscale version is **15.4019, 16.2040, 17.6462**.

A 20% lighter version of the original color is **46.5930, 38.3876, 14.6267**, and **8.3719, 5.6529, 0.6499** is the 20% darker color. If you saturate the color by 10%, you get **21.2315, 15.2786, 2.7107**, and if you desaturate by 10%, it is **23.8042, 19.4004, 6.7238**.

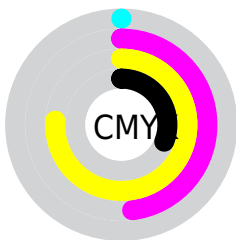
Distribution



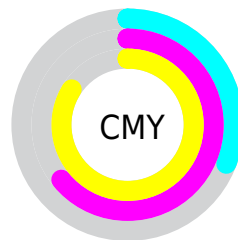
- Red (69%)
- Green (36%)
- Blue (16%)



- Red (69%)
- Yellow (47%)
- Blue (16%)



- Cyan (0%)
- Magenta (48%)
- Yellow (76%)
- Black (31%)





- Cyan (31%)
- Magenta (64%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 22.3765, 17.1686, 4.3250 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 22.3765, 17.1686, 4.3250 by changing the saturation by 10% instead.


 22.3765, 17.1686,
4.3250


 22.3765, 17.1686,
4.3250


257.1018,
236.1421, 151.7720


 14.2520, 10.3548,
1.8053


 46.8417, 38.6154,
14.7526

 8.3790, 5.6348,
0.4314


 63.9131, 54.0172,
23.4976

 4.3922, 2.6243,
0.0000

 84.6975, 73.0505,
35.1548

 1.9263, 0.9389,
0.0000

 109.5602, 96.0995,
50.1426

 0.5921, 0.0000,
0.0000

 138.8667,
123.5488, 68.8798

 0.0000, 0.0000,
0.0000

 172.9822,

155.7828, 91.7847

212.2721,
193.1857, 119.2759

■ 22.3765, 17.1686,
4.3250

■ 22.3765, 17.1686,
4.3250

■ 21.2315, 15.2786,
2.7107

■ 23.8042, 19.4004,
6.7238

■ 20.3400, 13.7067,
1.7632

■ 25.5355, 21.9895,
9.9943

■ 20.0540, 13.1925,
1.4894

■ 27.5905, 24.9532,
14.2129

■ 29.9869, 28.3072,
19.4476

■ 32.7410, 32.0657,
25.7596

■ 35.8680, 36.2425,
33.2056

■ 39.3821, 40.8505,
41.8381

■ 43.2968, 45.9021,
51.7064

■ 47.6248, 51.4091,
62.8570

Harmonies

Analogous

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



26.3594, 17.1686, 9.7282



22.3765, 17.1686, 4.3250



17.2606, 17.1686, 2.7345

Triad

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



22.3765, 17.1686, 4.3250



8.6966, 17.1686, 16.1682



20.4570, 17.1686, 55.0469

Complementary

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



22.3765, 17.1686, 4.3250



16.4794, 18.8440, 44.3632

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.



15.4108, 17.1686, 59.7572



22.3765, 17.1686, 4.3250



9.2186, 17.1686, 31.9525

Square

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



22.3765, 17.1686, 4.3250



9.8652, 17.1686, 7.0518



11.4659, 17.1686, 49.7828



25.1066, 17.1686, 38.9697

Rectangle

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



22.3765, 17.1686, 4.3250



14.1251, 17.1686, 2.9318



11.4659, 17.1686, 49.7828



18.7274, 17.1686, 58.2634

Sweetspot

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



22.3769, 17.1695, 4.3253



60.1805, 59.5038, 49.7597



22.8227, 12.5484, 21.4692



12.6333, 12.3450, 9.8239



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.



22.3769, 17.1695, 4.3253



36.8199, 25.2550, 3.5219



30.9473, 34.3103, 7.1821



8.7456, 9.0037, 8.9295



14.5839, 9.6663, 1.0971



0.5159, 0.4181, 0.0535

Inverse Universe

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



16.4794, 18.8440, 44.3632



25.5827, 28.0445, 78.5601



10.5066, 6.8984, 42.3723



8.4728, 9.0918, 10.8147



9.9626, 10.7255, 31.6821



0.3670, 0.4446, 1.0147

Previews

White Background



This preview shows how the XYZ color 22.3765, 17.1686, 4.3250 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 22.3765, 17.1686, 4.3250 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

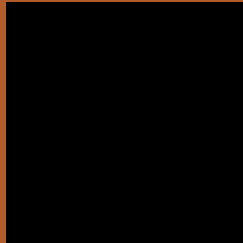
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.3765, 17.1686, 4.3250

Background



This preview shows how black text looks on a background with the XYZ color 22.3765, 17.1686, 4.3250.



This preview shows how white text looks on a background with the XYZ color 22.3765, 17.1686,

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

22.3765, 17.1686, 4.3250

Protanopia

15.8530, 17.3797, 5.4248

Deuteranopia

17.5869, 17.3052, 4.1636



Tritanopia

23.9744, 17.1904, 12.4104

Trichromacy



Original Color

22.3765, 17.1686, 4.3250

Protanomaly

17.6049, 16.8236, 4.9042

Deuteranomaly

19.1211, 17.0151, 4.1959

Tritanomaly

23.1685, 17.1041, 8.5589

Monochromacy



Original Color

22.3765, 17.1686, 4.3250

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

16.9252, 16.0255, 11.2180

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.3765, 17.1686, 4.3250 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(177, 92, 42)` looks like.

```
.text, #text, p{  
    color:rgb(177, 92, 42)  
}
```

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(177, 92, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 92, 42) }
```

Border

The CSS property to change the border of an element to XYZ 22.3765, 17.1686, 4.3250 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(177, 92, 42) }
```


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

```
.border{ border-color:rgb(177, 92, 42) }
```

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

Here you see how a box with a 4 pixel rgb(177, 92, 42) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 92, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 92, 42);  
box-shadow:4px 4px 4px 4px rgb(177, 92,  
42) }
```

Background

The CSS property to change the background color of an element to XYZ 22.3765, 17.1686, 4.3250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 92, 42) }
```

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

```
.background{ background-color: rgb(177, 92,  
42) }
```

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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