

Converting Colors

XYZ(22.9983, 17.3499, 2.9299)

Have a look what the booklet for
XYZ(22.9983, 17.3499, 2.9299)
contains.

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Color

**XYZ(22.9518, 17.3678,
2.9532)**

Conversions

Conversions Part 1

Format	Color
Hex	B55B17
RGB	181, 91, 23
RGB Percent	71%, 36%, 9%
CMY	0.2902, 0.6431, 0.9098
CMYK	0.00, 0.50, 0.87, 0.29
HSL	26°, 77%, 40%
HSV	26°, 87%, 71%
XYZ	22.9518, 17.3678, 2.9532
YIQ	110.1580, 75.4680, -2.0680

Conversions

Conversions Part 2

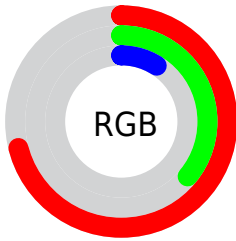
Format	Color
RYB	181, 142, 23
Decimal	11885335
CIELab	48.72, 32.39, 51.50
CIELCh	49, 60.837, 57.828
Yxy	17.3678, 0.5304, 0.4014
Android (android.graphics.Color)	4290075415 (0xFFB55B17)
YUV	110.1580, -42.9689, 62.1284
Hunter-Lab	41.6747, 25.3759, 24.9708

Details

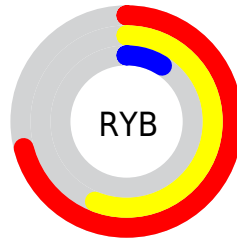
The XYZ color **22.9518, 17.3678, 2.9532** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **14.5984, 15.3276, 45.9048**, and the grayscale version is **14.9714, 15.7511, 17.1529**.

A 20% lighter version of the original color is **47.8712, 38.8951, 11.4630**, and **8.8540, 5.7935, 0.6516** is the 20% darker color. If you saturate the color by 10%, you get **22.0027, 15.6743, 2.0065**, and if you desaturate by 10%, it is **24.1423, 19.3532, 4.5703**.

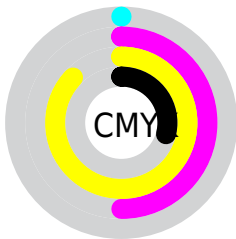
Distribution



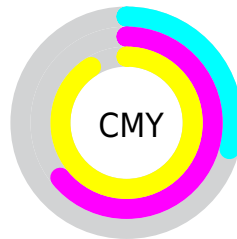
- Red (71%)
- Green (36%)
- Blue (9%)



- Red (71%)
- Yellow (56%)
- Blue (9%)



- Cyan (0%)
- Magenta (50%)
- Yellow (87%)
- Black (29%)





- Cyan (29%)
- Magenta (64%)
- Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 22.9518, 17.3678, 2.9532 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 22.9518, 17.3678, 2.9532 by changing the saturation by 10% instead.


 22.9518, 17.3678,
2.9532


 22.9518, 17.3678,
2.9532

260.0173,
237.2831, 135.7623


 14.6784, 10.4971,
1.0708


 47.7814, 38.9571,
11.5127


 8.6788, 5.7298,
0.0000


 65.0684, 54.4444,
19.0269

 4.5877, 2.6815,
0.0000

 86.0905, 73.5727,
29.2555

 2.0397, 0.9678,
0.0000

 111.2133, 96.7265,
42.6169

 0.6561, 0.0000,
0.0000

 140.8020,
124.2900, 59.5298

 0.0000, 0.0000,
0.0000

 175.2220,

156.6476, 80.4126

214.8386,
194.1839, 105.6839

22.9518, 17.3678,
2.9532

22.9518, 17.3678,
2.9532

22.0027, 15.6743,
2.0065

24.1423, 19.3532,
4.5703

21.7735, 15.2589,
1.7977

25.6035, 21.6473,
6.9941

27.3576, 24.2668,
10.3192

29.4242, 27.2260,
14.6268

31.8204, 30.5384,
19.9886

■ 34.5624, 34.2164,
26.4699

■ 37.6648, 38.2718,
34.1303

■ 41.1415, 42.7158,
43.0254

■ 45.0056, 47.5591,
53.2072

Harmonies

Analogous

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



28.0190, 17.3678, 7.8349



22.9518, 17.3678, 2.9532



16.9203, 17.3678, 1.7835

Triad

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



22.9518, 17.3678, 2.9532



7.8964, 17.3678, 17.7623



22.0798, 17.3678, 61.5720

Complementary

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



22.9518, 17.3678, 2.9532



14.5984, 15.3276, 45.9048

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.



16.1016, 17.3678, 69.7157



22.9518, 17.3678, 2.9532



8.6802, 17.3678, 37.3358

Square

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



22.9518, 17.3678, 2.9532



8.9496, 17.3678, 6.7597



11.3989, 17.3678, 59.0323



27.4405, 17.3678, 40.6236

Rectangle

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



22.9518, 17.3678, 2.9532



13.4169, 17.3678, 2.1042



11.3989, 17.3678, 59.0323



20.0397, 17.3678, 66.2823

Sweetspot

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



22.9522, 17.3687, 2.9535



62.3517, 61.8773, 48.4995



22.4665, 11.6782, 17.3401



13.0961, 12.8693, 9.5660



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.



22.9522, 17.3687, 2.9535



38.7803, 26.8966, 3.1476



33.1824, 37.8292, 6.3636



8.7871, 9.0868, 8.9433



15.0765, 10.6516, 1.2613



0.5327, 0.4519, 0.0591

Inverse Universe

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



14.5984, 15.3276, 45.9048



23.4110, 22.9218, 81.4851



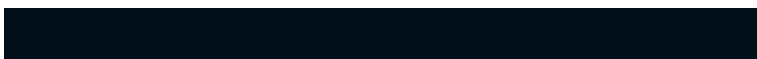
9.3298, 4.7903, 44.1486



8.4302, 9.0067, 10.8005



9.1699, 9.1401, 31.4179



0.3451, 0.4007, 1.0074

Previews

White Background



This preview shows how the XYZ color 22.9518, 17.3678, 2.9532 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 22.9518, 17.3678, 2.9532 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 22.9518, 17.3678, 2.9532

Background



This preview shows how black text looks on a background with the XYZ color 22.9518, 17.3678, 2.9532.



This preview shows how white text looks on a background with the XYZ color 22.9518, 17.3678,

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

22.9518, 17.3678, 2.9532

Protanopia

15.9557, 17.6416, 3.7925

Deuteranopia

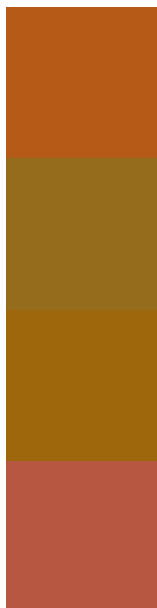
17.6414, 17.3681, 2.5949



Tritanopia

24.9040, 17.4427, 11.9517

Trichromacy



Original Color

22.9518, 17.3678, 2.9532

Protanomaly

17.9548, 17.1938, 3.4093

Deuteranomaly

19.2147, 17.0980, 2.6353

Tritanomaly

23.9200, 17.2770, 7.2283

Monochromacy



Original Color

22.9518, 17.3678, 2.9532

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

16.3787, 15.4848, 9.3333

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.9518, 17.3678, 2.9532 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(181, 91, 23)` looks like.

```
.text, #text, p{  
    color:rgb(181, 91, 23)  
}
```

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(181, 91, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 91, 23) }
```

Border

The CSS property to change the border of an element to XYZ 22.9518, 17.3678, 2.9532 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(181, 91, 23) }
```


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

```
.border{ border-color:rgb(181, 91, 23) }
```

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

Here you see how a box with a 4 pixel rgb(181, 91, 23) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 91, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 91, 23);  
box-shadow:4px 4px 4px 4px rgb(181, 91,  
23) }
```

Background

The CSS property to change the background color of an element to XYZ 22.9518, 17.3678, 2.9532 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 91, 23) }
```

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

```
.background{ background-color: rgb(181, 91,  
23) }
```

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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