

Converting Colors

XYZ(22.3569, 16.5702, 2.6819)

Have a look what the booklet for
XYZ(22.3569, 16.5702, 2.6819)
contains.

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Color

**XYZ(22.3569, 16.5702,
2.6819)**

Conversions

Conversions Part 1

Format	Color
Hex	B45714
RGB	180, 87, 20
RGB Percent	71%, 34%, 8%
CMY	0.2941, 0.6588, 0.9216
CMYK	0.00, 0.52, 0.89, 0.29
HSL	25°, 80%, 39%
HSV	25°, 89%, 71%
XYZ	22.3569, 16.5702, 2.6819
YIQ	107.1690, 76.9350, -1.1210

Conversions

Conversions Part 2

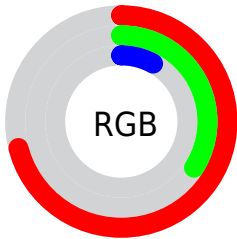
Format	Color
R_{YB}	180, 135, 20
Decimal	11818772
CIE _{Lab}	47.71, 34.02, 51.66
CIE _{LCh}	48, 61.854, 56.636
Yxy	16.5702, 0.5373, 0.3982
Android (android.graphics.Color)	4290008852 (0xFFB45714)
YUV	107.1690, -42.9743, 63.8728
Hunter-Lab	40.7065, 26.7997, 24.5883

Details

The XYZ color **22.3569, 16.5702, 2.6819** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **14.4316, 15.2537, 45.3634**, and the grayscale version is **14.1233, 14.8588, 16.1813**.

A 20% lighter version of the original color is **46.8438, 37.5091, 10.7323**, and **8.4388, 5.3793, 0.5935** is the 20% darker color. If you saturate the color by 10%, you get **21.4553, 14.9518, 1.8127**, and if you desaturate by 10%, it is **23.4903, 18.4793, 4.1628**.

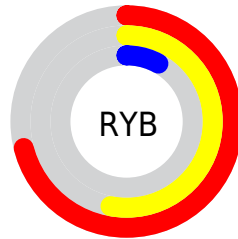
Distribution



Red (71%)

Green (34%)

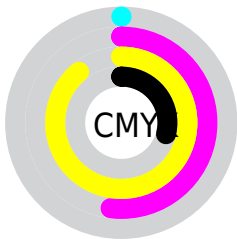
Blue (8%)



Red (71%)

Yellow (53%)

Blue (8%)

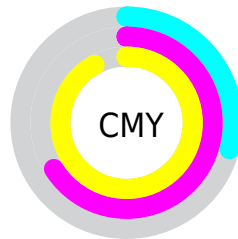


Cyan (0%)

Magenta (52%)

Yellow (89%)

Black (29%)



Cyan (29%)

Magenta (66%)

Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.3569, 16.5702, 2.6819 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 22.3569, 16.5702, 2.6819 by changing the saturation by 10% instead.

■ 22.3569, 16.5702,
2.6819

■ 22.3569, 16.5702,
2.6819

257.0019,
232.6832, 132.2000

■ 14.2374, 9.9285,
0.9343

■ 46.8096, 37.5853,
10.8329

■ 8.3688, 5.3516,
0.0000

■ 63.8736, 52.7275,
18.0736

■ 4.3856, 2.4550,
0.0000

■ 84.6499, 71.4721,
27.9826

■ 1.9225, 0.8540,
0.0000

■ 109.5037, 94.2033,
40.9784

■ 0.5899, 0.0000,
0.0000

■ 138.8005,
121.3057, 57.4794

■ 0.0000, 0.0000,
0.0000

■ 172.9055,

153.1635, 77.9044

212.1842,
190.1612, 102.6717

22.3569, 16.5702,
2.6819

22.3569, 16.5702,
2.6819

21.4553, 14.9518,
1.8127

23.4903, 18.4793,
4.1628

21.3642, 14.7870,
1.7282

24.8914, 20.6992,
6.4253

26.5831, 23.2471,
9.5653

28.5853, 26.1381,
13.6646

30.9154, 29.3860,
18.7955

■ 33.5898, 33.0038,
25.0233

■ 36.6234, 37.0036,
32.4077

■ 40.0302, 41.3971,
41.0042

■ 43.8234, 46.1954,
50.8647

Harmonies

Analogous

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



27.3055, 16.5702, 7.5376



22.3569, 16.5702, 2.6819



16.3823, 16.5702, 1.5150

Triad

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



22.3569, 16.5702, 2.6819



7.3356, 16.5702, 16.3120



21.0183, 16.5702, 61.2972

Complementary

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



22.3569, 16.5702, 2.6819



14.4316, 15.2537, 45.3634

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.



15.1332, 16.5702, 68.7729



22.3569, 16.5702, 2.6819



8.0237, 16.5702, 35.4448

Square

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



22.3569, 16.5702, 2.6819



8.4287, 16.5702, 5.9355



10.5919, 16.5702, 57.3433



26.4141, 16.5702, 40.5296

Rectangle

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



22.3569, 16.5702, 2.6819



12.8951, 16.5702, 1.7618



10.5919, 16.5702, 57.3433



18.9967, 16.5702, 65.8313

Sweetspot

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



22.3573, 16.5711, 2.6822



61.6491, 60.8338, 47.1500



22.0720, 11.4035, 16.7595



12.9516, 12.6502, 9.3029



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.



22.3573, 16.5711, 2.6822



38.5196, 26.3753, 3.0607



32.7063, 37.2692, 6.1319



8.7790, 9.0706, 8.9406



14.9744, 10.4473, 1.2273



0.5294, 0.4451, 0.0580

Inverse Universe

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



14.4316, 15.2537, 45.3634



23.7920, 23.6837, 81.6120



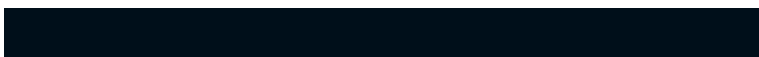
9.0800, 4.5505, 43.5796



8.4385, 9.0231, 10.8032



9.3161, 9.4326, 31.4667



0.3492, 0.4090, 1.0088

Previews

White Background



This preview shows how the XYZ color 22.3569, 16.5702, 2.6819 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 22.3569, 16.5702, 2.6819 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 22.3569, 16.5702, 2.6819

Background



This preview shows how black text looks on a background with the XYZ color 22.3569, 16.5702, 2.6819.



This preview shows how white text looks on a background with the XYZ color 22.3569, 16.5702,

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

22.3569, 16.5702, 2.6819

Protanopia

15.1172, 16.7030, 3.4641

Deuteranopia

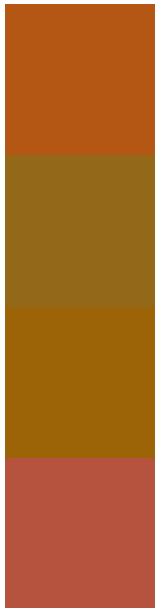
16.8642, 16.6544, 2.3258



Tritanopia

23.9541, 16.5181, 10.9426

Trichromacy



Original Color

22.3569, 16.5702, 2.6819

Protanomaly

17.1478, 16.1696, 3.0814

Deuteranomaly

18.5001, 16.2978, 2.3717

Tritanomaly

23.0465, 16.3692, 6.6475

Monochromacy



Original Color

22.3569, 16.5702, 2.6819

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

15.6587, 14.6907, 8.6669

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.3569, 16.5702, 2.6819 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(180, 87, 20)` looks like.

```
.text, #text, p{  
    color:rgb(180, 87, 20)  
}
```

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(180, 87, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 87, 20) }
```

Border

The CSS property to change the border of an element to XYZ 22.3569, 16.5702, 2.6819 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(180, 87, 20) }
```


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

```
.border{ border-color:rgb(180, 87, 20) }
```

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

Here you see how a box with a 4 pixel rgb(180, 87, 20) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 87, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 87, 20);  
box-shadow:4px 4px 4px 4px rgb(180, 87,  
20) }
```

Background

The CSS property to change the background color of an element to XYZ 22.3569, 16.5702, 2.6819 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 87, 20) }
```

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

```
.background{ background-color: rgb(180, 87,  
20) }
```

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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