

Converting Colors

XYZ(23.2741, 16.9334, 0.0000)

Have a look what the booklet for
XYZ(23.2741, 16.9334, 0.0000)
contains.

XYZ(23.5775, 17.0947, 2.0569)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(23.5775, 17.0947,
2.0569)**

Conversions

Conversions Part 1

Format	Color
Hex	BA5600
RGB	186, 86, 0
RGB Percent	73%, 34%, 0%
CMY	0.2706, 0.6627, 1.0000
CMYK	0.00, 0.54, 1.00, 0.27
HSL	28°, 100%, 36%
HSV	28°, 100%, 73%
XYZ	23.5775, 17.0947, 2.0569
YIQ	106.0960, 87.2060, -5.5460

Conversions

Conversions Part 2

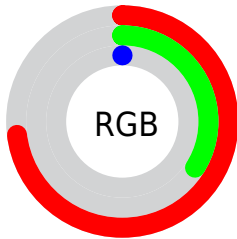
Format	Color
R _Y B	186, 160, 0
Decimal	12211712
CIE Lab	48.38, 36.67, 57.73
CIE LCh	48, 68.393, 57.579
Yxy	17.0947, 0.5518, 0.4001
Android (android.graphics.Color)	4290401792 (0xFFBA5600)
YUV	106.0960, -52.3053, 70.0758
Hunter-Lab	41.3457, 29.4350, 25.9924

Details

The XYZ color **23.5775, 17.0947, 2.0569** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **13.4197, 12.6587, 48.1901**, and the grayscale version is **13.8489, 14.5701, 15.8669**.

A 20% lighter version of the original color is **48.9710, 38.6429, 9.1527**, and **9.0883, 5.6217, 0.6061** is the 20% darker color. If you saturate the color by 10%, you get **23.5777, 17.0954, 2.0571**, and if you desaturate by 10%, it is **24.5471, 18.8515, 2.9434**.

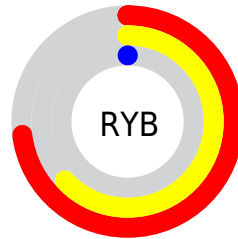
Distribution



Red (73%)

Green (34%)

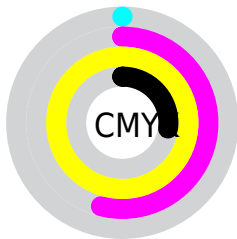
Blue (0%)



Red (73%)

Yellow (63%)

Blue (0%)

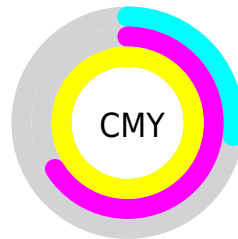


Cyan (0%)

Magenta (54%)

Yellow (100%)

Black (27%)



Cyan (27%)


Magenta (66%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 23.5775, 17.0947, 2.0569 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 23.5775, 17.0947, 2.0569 by changing the saturation by 10% instead.


 23.5775, 17.0947,
2.0569


 23.5775, 17.0947,
2.0569


 263.1577,
235.7175, 123.2541


 15.1435, 10.3020,
0.5899


 48.7996, 38.4885,
9.1958


 9.0072, 5.5997,
0.0000


 66.3184, 53.8585,
15.7511

 4.8030, 2.6032,
0.0000

 87.5962, 72.8563,
24.8552

 2.1657, 0.9283,
0.0000

 112.9984, 95.8664,
36.9264

 0.7246, 0.0000,
0.0000


 142.8903,
123.2732, 52.3834


 0.0000, 0.0000,
0.0000

 177.6372,


155.4610, 71.6446


 217.6046,
192.8144, 95.1287


 23.5775, 17.0947,
2.0569


 23.5775, 17.0947,
2.0569


 23.5777, 17.0954,
2.0571

 24.5471, 18.8515,
2.9434

 25.7413, 20.8831,
4.4411

 27.2045, 23.2145,
6.7632

 28.9606, 25.8617,
10.0154

 31.0301, 28.8388,
14.2875

■ 33.4315, 32.1588,
19.6587

■ 36.1813, 35.8340,
26.2001

■ 39.2952, 39.8758,
33.9769

■ 42.7875, 44.2952,
43.0493

Harmonies

Analogous

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



29.3922, 17.0947, 6.7960



23.5775, 17.0947, 2.0569



16.7607, 17.0947, 1.0571

Triad

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



23.5775, 17.0947, 2.0569



6.9581, 17.0947, 17.1975



22.4688, 17.0947, 68.7978

Complementary

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



23.5775, 17.0947, 2.0569



13.4197, 12.6587, 48.1901

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.



15.7458, 17.0947, 78.4932



23.5775, 17.0947, 2.0569



7.7563, 17.0947, 39.5186

Square

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



23.5775, 17.0947, 2.0569



8.0704, 17.0947, 5.5895



10.6207, 17.0947, 65.3818



28.6453, 17.0947, 43.8242

Rectangle

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



23.5775, 17.0947, 2.0569



12.8830, 17.0947, 1.3075



10.6207, 17.0947, 65.3818



20.1532, 17.0947, 74.4509

Sweetspot

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



23.5779, 17.0957, 2.0572



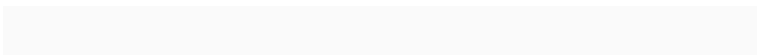
65.3177, 64.6044, 46.8470



22.6628, 11.4044, 13.6556



13.9045, 13.5907, 9.1615



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



23.5779, 17.0957, 2.0572



42.4996, 30.5131, 3.6496



35.9124, 41.7647, 6.1687



9.3376, 9.6782, 9.4828



15.9359, 11.6482, 1.4084



0.6238, 0.5347, 0.0703

Inverse Universe

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



13.4197, 12.6587, 48.1901



24.0785, 22.4537, 87.2663



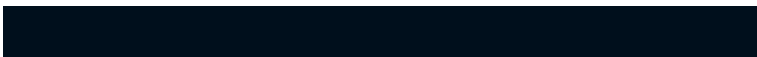
8.9639, 3.7471, 46.7048



8.9102, 9.4976, 11.4430



9.1040, 8.6676, 32.4463



0.3822, 0.4280, 1.1642

Previews

White Background



This preview shows how the XYZ color 23.5775, 17.0947, 2.0569 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 23.5775, 17.0947, 2.0569 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 23.5775, 17.0947, 2.0569

Background



This preview shows how black text looks on a background with the XYZ color 23.5775, 17.0947, 2.0569.



This preview shows how white text looks on a background with the XYZ color 23.5775, 17.0947,

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

23.5775, 17.0947, 2.0569

Protanopia

15.5525, 17.2771, 3.0454

Deuteranopia

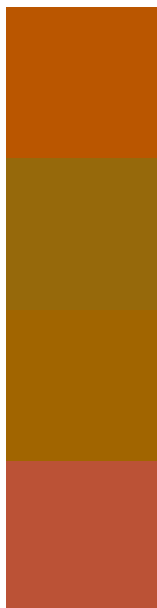
17.4300, 17.2629, 2.4134



Tritanopia

25.2474, 17.0846, 10.5613

Trichromacy



Original Color

23.5775, 17.0947, 2.0569

Protanomaly

17.6897, 16.6113, 2.5906

Deuteranomaly

19.3516, 16.8844, 2.2391

Tritanomaly

24.1767, 16.8657, 5.4712

Monochromacy



Original Color

23.5775, 17.0947, 2.0569

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

15.4666, 14.4798, 7.2899

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.5775, 17.0947, 2.0569 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(186, 86, 0)` looks like.

```
.text, #text, p{  
    color:rgb(186, 86, 0)  
}
```

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(186, 86, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 86, 0) }
```

Border

The CSS property to change the border of an element to XYZ 23.5775, 17.0947, 2.0569 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(186, 86, 0) }
```


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

```
.border{ border-color:rgb(186, 86, 0) }
```

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

Here you see how a box with a 4 pixel rgb(186, 86, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 86, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 86, 0);  
box-shadow:4px 4px 4px 4px rgb(186, 86, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 23.5775, 17.0947, 2.0569 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 86, 0) }
```

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

```
.background{ background-color: rgb(186, 86,  
0) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor