

Converting Colors

XYZ(24.6067, 17.2246, 2.0278)

Have a look what the booklet for
XYZ(24.6067, 17.2246, 2.0278)
contains.

XYZ(24.5791, 17.2629, 2.0366)	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(24.5791, 17.2629,
2.0366)**

Conversions

Conversions Part 1

Format	Color
Hex	BF5300
RGB	191, 83, 0
RGB Percent	75%, 33%, 0%
CMY	0.2510, 0.6745, 1.0000
CMYK	0.00, 0.57, 1.00, 0.25
HSL	26°, 100%, 37%
HSV	26°, 100%, 75%
XYZ	24.5791, 17.2629, 2.0366
YIQ	105.8300, 91.0110, -2.9170

Conversions

Conversions Part 2

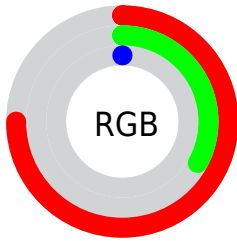
Format	Color
R _Y B	191, 147, 0
Decimal	12538624
CIE Lab	48.59, 40.15, 58.27
CIE LCh	49, 70.763, 55.434
Yxy	17.2629, 0.5602, 0.3934
Android (android.graphics.Color)	4290728704 (0xFFBF5300)
YUV	105.8300, -52.1742, 74.6941
Hunter-Lab	41.5486, 32.8858, 26.1778

Details

The XYZ color **24.5791, 17.2629, 2.0366** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **14.7660, 14.4858, 51.3075**, and the grayscale version is **13.7747, 14.4920, 15.7818**.

A 20% lighter version of the original color is **50.3526, 38.7250, 9.0958**, and **9.7224, 5.7789, 0.6030** is the 20% darker color. If you saturate the color by 10%, you get **24.5793, 17.2636, 2.0367**, and if you desaturate by 10%, it is **25.5896, 19.0947, 2.9577**.

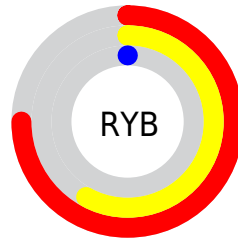
Distribution



Red (75%)

Green (33%)

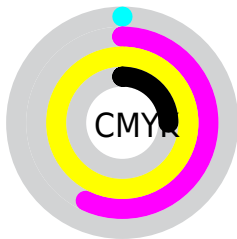
Blue (0%)



Red (75%)

Yellow (58%)

Blue (0%)

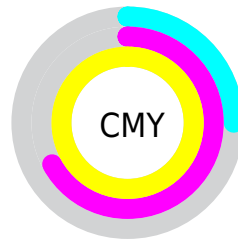


Cyan (0%)

Magenta (57%)

Yellow (100%)

Black (25%)



Cyan (25%)


Magenta (67%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 24.5791, 17.2629, 2.0366 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 24.5791, 17.2629, 2.0366 by changing the saturation by 10% instead.


 24.5791, 17.2629,
2.0366


 24.5791, 17.2629,
2.0366


 268.1218,
236.6829, 122.9425


 15.8908, 10.4221,
0.5776


 50.4214, 38.7772,
9.1406


 9.5373, 5.6797,
0.0000


 68.3061, 54.2196,
15.6721


 5.1532, 2.6513,
0.0000

 89.9870, 73.2979,
24.7481

 2.3731, 0.9525,
0.0000

 115.8295, 96.3966,
36.7869


 0.8317, 0.0000,
0.0000


 146.1988,
123.9000, 52.2073


 0.0000, 0.0000,
0.0000


 181.4604,


156.1926, 71.4276


 221.9796,
193.6588, 94.8665


 24.5791, 17.2629,
2.0366


 24.5791, 17.2629,
2.0366


 24.5793, 17.2636,
2.0367

 25.5896, 19.0947,
2.9577

 26.8503, 21.2406,
4.5357

 28.4088, 23.7288,
6.9935

 30.2913, 26.5778,
10.4447

 32.5204, 29.8042,
14.9856

■ 35.1165, 33.4232,
20.7007

■ 38.0980, 37.4492,
27.6663

■ 41.4821, 41.8956,
35.9521

■ 45.2848, 46.7752,
45.6226

Harmonies

Analogous

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



30.4986, 17.2629, 7.2253



24.5791, 17.2629, 2.0366



17.4241, 17.2629, 0.9254

Triad

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



24.5791, 17.2629, 2.0366



6.8292, 17.2629, 16.0858



22.3890, 17.2629, 73.2763

Complementary

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



24.5791, 17.2629, 2.0366



14.7660, 14.4858, 51.3075

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.



15.4319, 17.2629, 81.9156



24.5791, 17.2629, 2.0366



7.5042, 17.2629, 38.7667

Square

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



24.5791, 17.2629, 2.0366



8.1111, 17.2629, 4.9154



10.2839, 17.2629, 66.4355



29.0175, 17.2629, 47.3354

Rectangle

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



24.5791, 17.2629, 2.0366



13.2984, 17.2629, 1.0935



10.2839, 17.2629, 66.4355



19.9678, 17.2629, 78.8115

Sweetspot

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



24.5795, 17.2639, 2.0369



67.9637, 66.7116, 48.9033



24.2050, 12.1640, 15.3250



14.4079, 13.9568, 9.5178



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



24.5795, 17.2639, 2.0369



43.7907, 30.4566, 3.5707



37.4591, 43.0231, 6.3301



9.8620, 10.2001, 10.0257



16.2304, 11.4996, 1.3642



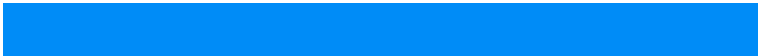
0.7009, 0.5807, 0.0751

Inverse Universe

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



14.7660, 14.4858, 51.3075



26.1996, 25.4511, 91.8108



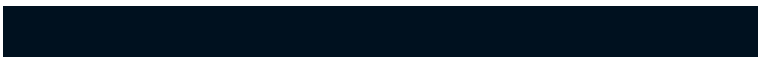
9.5445, 4.0427, 49.5670



9.4520, 10.0963, 12.1228



9.7853, 9.6823, 33.7460



0.4472, 0.5072, 1.3432

Previews

White Background



This preview shows how the XYZ color 24.5791, 17.2629, 2.0366 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 24.5791, 17.2629, 2.0366 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 24.5791, 17.2629, 2.0366

Background



This preview shows how black text looks on a background with the XYZ color 24.5791, 17.2629, 2.0366.



This preview shows how white text looks on a background with the XYZ color 24.5791, 17.2629,

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

24.5791, 17.2629, 2.0366

Protanopia

15.7146, 17.3597, 3.0948

Deuteranopia

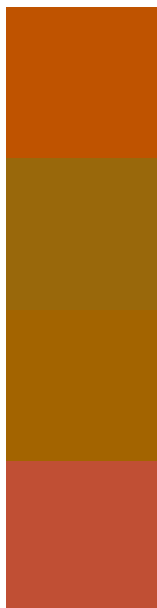
17.6086, 17.3549, 2.4218



Tritanopia

26.1692, 17.2544, 9.9338

Trichromacy



Original Color

24.5791, 17.2629, 2.0366

Protanomaly

18.1476, 16.6971, 2.5830

Deuteranomaly

19.6614, 16.9009, 2.2259

Tritanomaly

25.1540, 17.0464, 5.2133

Monochromacy



Original Color

24.5791, 17.2629, 2.0366

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

15.6973, 14.4590, 7.2737

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.5791, 17.2629, 2.0366 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(191, 83, 0)` looks like.

```
.text, #text, p{  
    color:rgb(191, 83, 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(191, 83, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 83, 0) }
```

Border

The CSS property to change the border of an element to XYZ 24.5791, 17.2629, 2.0366 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(191, 83, 0) }
```


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

```
.border{ border-color:rgb(191, 83, 0) }
```

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

Here you see how a box with a 4 pixel rgb(191, 83, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 83, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 83, 0);  
box-shadow:4px 4px 4px 4px rgb(191, 83, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 24.5791, 17.2629, 2.0366 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 83, 0) }
```

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

```
.background{ background-color: rgb(191, 83,  
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