

Converting Colors

XYZ(24.0384, 17.0334, 2.0208)

Have a look what the booklet for
XYZ(24.0384, 17.0334, 2.0208)
contains.

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Color

**XYZ(24.0795, 17.0053,
2.0132)**

Conversions

Conversions Part 1

Format	Color
Hex	BD5300
RGB	189, 83, 0
RGB Percent	74%, 33%, 0%
CMY	0.2588, 0.6745, 1.0000
CMYK	0.00, 0.56, 1.00, 0.26
HSL	26°, 100%, 37%
HSV	26°, 100%, 74%
XYZ	24.0795, 17.0053, 2.0132
YIQ	105.2320, 89.8190, -3.3410

Conversions

Conversions Part 2

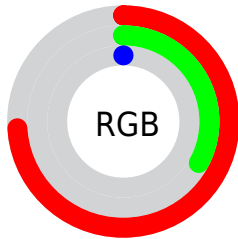
Format	Color
RYB	189, 148, 0
Decimal	12407552
CIELab	48.27, 39.37, 57.92
CIELCh	48, 70.031, 55.797
Yxy	17.0053, 0.5587, 0.3946
Android (android.graphics.Color)	4290597632 (0xFFBD5300)
YUV	105.2320, -51.8794, 73.4645
Hunter-Lab	41.2375, 32.0646, 25.9717

Details

The XYZ color **24.0795, 17.0053, 2.0132** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **14.3389, 13.9813, 50.0866**, and the grayscale version is **13.6103, 14.3191, 15.5935**.

A 20% lighter version of the original color is **49.6245, 38.3496, 9.0617**, and **9.4186, 5.6222, 0.5888** is the 20% darker color. If you saturate the color by 10%, you get **24.0797, 17.0060, 2.0133**, and if you desaturate by 10%, it is **25.0706, 18.8009, 2.9193**.

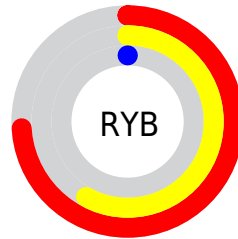
Distribution



Red (74%)

Green (33%)

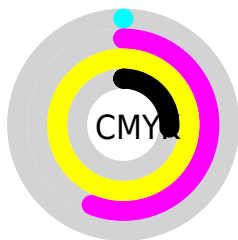
Blue (0%)



Red (74%)

Yellow (58%)

Blue (0%)

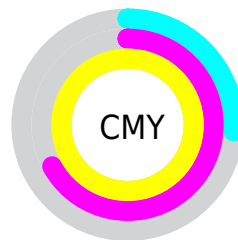


Cyan (0%)

Magenta (56%)

Yellow (100%)

Black (26%)



Cyan (26%)


Magenta (67%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 24.0795, 17.0053, 2.0132 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 24.0795, 17.0053, 2.0132 by changing the saturation by 10% instead.


 24.0795, 17.0053,
2.0132


 24.0795, 17.0053,
2.0132

 265.6552,
235.2029, 122.5814


 15.5177, 10.2383,
0.5634


 49.6136, 38.3349,
9.0769


 9.2722, 5.5572,
0.0000


 67.3166, 53.6662,
15.5808


 4.9777, 2.5778,
0.0000

 88.7974, 72.6211,
24.6241

 2.2688, 0.9155,
0.0000

 114.4213, 95.5840,
36.6254

 0.7786, 0.0000,
0.0000


 144.5537,
122.9392, 52.0033


 0.0000, 0.0000,
0.0000


 179.5599,


155.0712, 71.1762


 219.8052,
192.3643, 94.5627


 24.0795, 17.0053,
2.0132


 24.0795, 17.0053,
2.0132


 24.0797, 17.0060,
2.0133

 25.0706, 18.8009,
2.9193

 26.3038, 20.8995,
4.4647

 27.8257, 23.3282,
6.8684

 29.6617, 26.1049,
10.2407

 31.8338, 29.2453,
14.6755

■ 34.3616, 32.7643,
20.2551

■ 37.2630, 36.6756,
27.0537

■ 40.5546, 40.9920,
35.1393

■ 44.2519, 45.7258,
44.5748

Harmonies

Analogous

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



29.9025, 17.0053, 7.0547



24.0795, 17.0053, 2.0132



17.0782, 17.0053, 0.9352

Triad

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



24.0795, 17.0053, 2.0132



6.7609, 17.0053, 16.0601



22.1061, 17.0053, 71.5224

Complementary

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



24.0795, 17.0053, 2.0132



14.3389, 13.9813, 50.0866

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.



15.2811, 17.0053, 80.2348



24.0795, 17.0053, 2.0132



7.4478, 17.0053, 38.3812

Square

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



24.0795, 17.0053, 2.0132



7.9967, 17.0053, 4.9621



10.2051, 17.0053, 65.3728



28.5689, 17.0053, 46.0923

Rectangle

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



24.0795, 17.0053, 2.0132



13.0503, 17.0053, 1.1140



10.2051, 17.0053, 65.3728



19.7350, 17.0053, 77.0060

Sweetspot

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



24.0799, 17.0063, 2.0135



66.4726, 65.3327, 47.8152



23.6453, 11.8825, 14.9851



13.8086, 13.3988, 9.1295



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.



24.0799, 17.0063, 2.0135



42.8976, 29.9989, 3.5294



36.5899, 42.0263, 6.1835



9.8656, 10.2073, 10.0269



16.2752, 11.5891, 1.3791



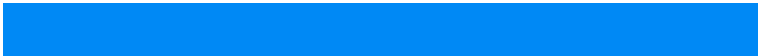
0.7027, 0.5843, 0.0758

Inverse Universe

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



14.3389, 13.9813, 50.0866



25.4377, 24.5539, 89.6249



9.3242, 3.9519, 48.4151



9.4483, 10.0890, 12.1216



9.7248, 9.5613, 33.7259



0.4450, 0.5027, 1.3424

Previews

White Background



This preview shows how the XYZ color 24.0795, 17.0053, 2.0132 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 24.0795, 17.0053, 2.0132 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 24.0795, 17.0053, 2.0132

Background



This preview shows how black text looks on a background with the XYZ color 24.0795, 17.0053, 2.0132.



This preview shows how white text looks on a background with the XYZ color 24.0795, 17.0053,

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

24.0795, 17.0053, 2.0132

Protanopia

15.5605, 17.2803, 3.0876

Deuteranopia

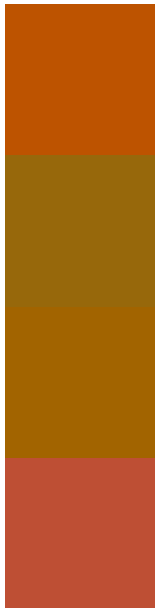
17.3227, 17.0483, 2.3776



Tritanopia

25.6627, 16.9933, 9.9101

Trichromacy



Original Color

24.0795, 17.0053, 2.0132

Protanomaly

17.7732, 16.5041, 2.5655

Deuteranomaly

19.4575, 16.7957, 2.2164

Tritanomaly

24.6510, 16.7870, 5.1898

Monochromacy



Original Color

24.0795, 17.0053, 2.0132

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

15.4412, 14.1889, 7.2351

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.0795, 17.0053, 2.0132 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(189, 83, 0)` looks like.

```
.text, #text, p{  
    color:rgb(189, 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(189, 83, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 83, 0) }
```

Border

The CSS property to change the border of an element to XYZ 24.0795, 17.0053, 2.0132 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(189, 83, 0) }
```


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

```
.border{ border-color:rgb(189, 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(189, 83, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 83, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 83, 0);  
box-shadow:4px 4px 4px 4px rgb(189, 83, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 24.0795, 17.0053, 2.0132 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 83, 0) }
```

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

```
.background{ background-color: rgb(189, 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](#).

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