

Converting Colors

XYZ(25.0340, 18.0791, 2.1702)

Have a look what the booklet for
XYZ(25.0340, 18.0791, 2.1702)
contains.

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Color

**XYZ(24.9756, 18.0558,
2.1688)**

Conversions

Conversions Part 1

Format	Color
Hex	BF5800
RGB	191, 88, 0
RGB Percent	75%, 35%, 0%
CMY	0.2510, 0.6549, 1.0000
CMYK	0.00, 0.54, 1.00, 0.25
HSL	28°, 100%, 37%
HSV	28°, 100%, 75%
XYZ	24.9756, 18.0558, 2.1688
YIQ	108.7650, 89.6360, -5.5320

Conversions

Conversions Part 2

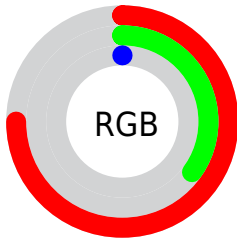
Format	Color
R_{YB}	191, 163, 0
Decimal	12539904
CIE _{Lab}	49.56, 37.65, 58.83
CIE _{LCh}	50, 69.845, 57.378
Yxy	18.0558, 0.5526, 0.3995
Android (android.graphics.Color)	4290729984 (0xFFBF5800)
YUV	108.7650, -53.6211, 72.1201
Hunter-Lab	42.4921, 30.5558, 26.7183

Details

The XYZ color **24.9756, 18.0558, 2.1688** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **14.2541, 13.4619, 51.1370**, and the grayscale version is **14.5993, 15.3596, 16.7266**.

A 20% lighter version of the original color is **51.0934, 40.1639, 9.4744**, and **9.8990, 6.1321, 0.6619** is the 20% darker color. If you saturate the color by 10%, you get **24.9757, 18.0563, 2.1688**, and if you desaturate by 10%, it is **26.0005, 19.9164, 3.0947**.

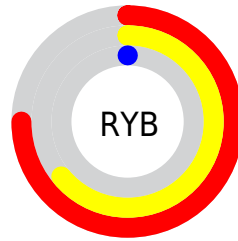
Distribution



Red (75%)

Green (35%)

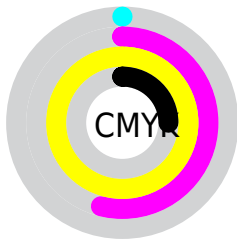
Blue (0%)



Red (75%)

Yellow (64%)

Blue (0%)

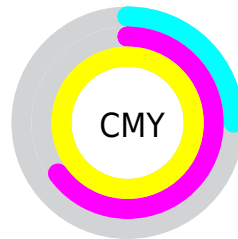


Cyan (0%)

Magenta (54%)

Yellow (100%)

Black (25%)



Cyan (25%)


Magenta (65%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.9756, 18.0558, 2.1688 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 24.9756, 18.0558, 2.1688 by changing the saturation by 10% instead.


 24.9756, 18.0558,
2.1688


 24.9756, 18.0558,
2.1688


270.0663,
241.1854, 124.9452


 16.1875, 10.9901,
0.6563


 51.0608, 40.1324,
9.4974


 9.7486, 6.0602,
0.0000


 69.0887, 55.9120,
16.1821

 5.2936, 2.8817,
0.0000

 90.9271, 75.3651,
25.4385

 2.4571, 1.0703,
0.0000

 116.9416, 98.8759,
37.6852


 0.8737, 0.0000,
0.0000


 147.4973,
126.8290, 53.3407


 0.0000, 0.0000,
0.0000


 182.9598,


159.6087, 72.8235


 223.6944,
197.5993, 96.5521


 24.9756, 18.0558,
2.1688


 24.9756, 18.0558,
2.1688


 24.9757, 18.0563,
2.1688

 26.0005, 19.9164,
3.0947

 27.2656, 22.0709,
4.6742

 28.8174, 24.5459,
7.1300

 30.6816, 27.3583,
10.5752

 32.8802, 30.5234,
15.1060

■ 35.4327, 34.0553,
20.8067

■ 38.3571, 37.9669,
27.7534

■ 41.6699, 42.2707,
36.0156

■ 45.3866, 46.9783,
45.6577

Harmonies

Analogous

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



31.1217, 18.0558, 7.2123



24.9756, 18.0558, 2.1688



17.7502, 18.0558, 1.1026

Triad

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



24.9756, 18.0558, 2.1688



7.3305, 18.0558, 18.0393



23.7031, 18.0558, 73.0209

Complementary

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



24.9756, 18.0558, 2.1688



14.2541, 13.4619, 51.1370

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.



16.5860, 18.0558, 83.1546



24.9756, 18.0558, 2.1688



8.1608, 18.0558, 41.6301

Square

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



24.9756, 18.0558, 2.1688



8.5206, 18.0558, 5.8315



11.1753, 18.0558, 69.0953



30.2641, 18.0558, 46.5752

Rectangle

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



24.9756, 18.0558, 2.1688



13.6347, 18.0558, 1.3583



11.1753, 18.0558, 69.0953



21.2494, 18.0558, 78.9760

Sweetspot

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



24.9760, 18.0568, 2.1691



68.4323, 67.6488, 49.0595



24.0383, 12.0974, 14.4468



14.5209, 14.1829, 9.5555



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.



24.9760, 18.0568, 2.1691



44.4949, 31.8650, 3.8054



38.1012, 44.3072, 6.5442



9.8826, 10.2412, 10.0325



16.4926, 12.0240, 1.4516



0.7115, 0.6019, 0.0787

Inverse Universe

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



14.2541, 13.4619, 51.1370



25.2827, 23.6172, 91.5052



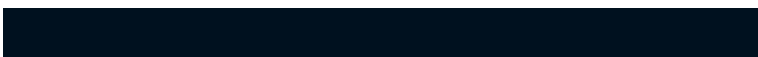
9.5077, 3.9690, 49.5549



9.4311, 10.0546, 12.1159



9.4488, 9.0093, 33.6339



0.4349, 0.4824, 1.3391

Previews

White Background



This preview shows how the XYZ color 24.9756, 18.0558, 2.1688 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 24.9756, 18.0558, 2.1688 looks on a black 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

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.9756, 18.0558, 2.1688

Background



This preview shows how black text looks on a background with the XYZ color 24.9756, 18.0558, 2.1688.



This preview shows how white text looks on a background with the XYZ color 24.9756, 18.0558,

2.1688.

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

24.9756, 18.0558, 2.1688

Protanopia

16.5295, 18.3025, 3.1918

Deuteranopia

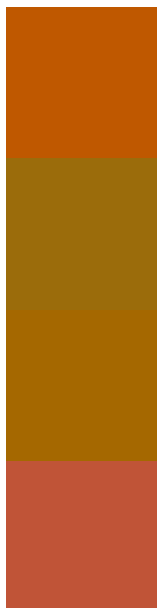
18.4828, 18.2943, 2.5570



Tritanopia

26.7299, 18.0602, 11.0940

Trichromacy



Original Color

24.9756, 18.0558, 2.1688

Protanomaly

18.9405, 17.7178, 2.7382

Deuteranomaly

20.4674, 17.9000, 2.3763

Tritanomaly

25.5981, 17.8230, 5.7054

Monochromacy



Original Color

24.9756, 18.0558, 2.1688

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

16.3753, 15.2260, 7.7061

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.9756, 18.0558, 2.1688 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, 88, 0)` looks like.

```
.text, #text, p{  
    color:rgb(191, 88, 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, 88, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 88, 0) }
```

Border

The CSS property to change the border of an element to XYZ 24.9756, 18.0558, 2.1688 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, 88, 0) }
```


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

```
.border{ border-color:rgb(191, 88, 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, 88, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 88, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 88, 0);  
box-shadow:4px 4px 4px 4px rgb(191, 88, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 24.9756, 18.0558, 2.1688 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 88, 0) }
```

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

```
.background{ background-color: rgb(191, 88,  
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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