

Converting Colors

XYZ(24.1008, 18.5006, 2.3007)

Have a look what the booklet for
XYZ(24.1008, 18.5006, 2.3007)
contains.

XYZ(24.0998, 18.4987, 2.3004)	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(24.0998, 18.4987,
2.3004)**

Conversions

Conversions Part 1

Format	Color
Hex	B95F00
RGB	185, 95, 0
RGB Percent	73%, 37%, 0%
CMY	0.2745, 0.6274, 1.0000
CMYK	0.00, 0.49, 1.00, 0.27
HSL	31°, 100%, 36%
HSV	31°, 100%, 73%
XYZ	24.0998, 18.4987, 2.3004
YIQ	111.0800, 84.1350, -10.4650

Conversions

Conversions Part 2

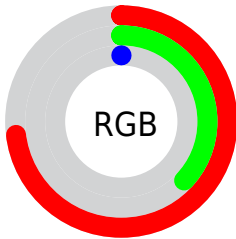
Format	Color
R_{YB}	175, 185, 0
Decimal	12148480
CIE _{Lab}	50.10, 31.57, 58.67
CIE _{LCh}	50, 66.624, 61.713
Yxy	18.4987, 0.5368, 0.4120
Android (android.graphics.Color)	4290338560 (0xFFB95F00)
YUV	111.0800, -54.7624, 64.8278
Hunter-Lab	43.0101, 24.7510, 26.9359

Details

The XYZ color **24.0998, 18.4987, 2.3004** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **12.4130, 10.8148, 47.3318**, and the grayscale version is **15.2704, 16.0656, 17.4954**.

A 20% lighter version of the original color is **49.6610, 40.9894, 9.8518**, and **9.4344, 6.3140, 0.7215** is the 20% darker color. If you saturate the color by 10%, you get **24.1000, 18.4993, 2.3005**, and if you desaturate by 10%, it is **25.0717, 20.2613, 3.1836**.

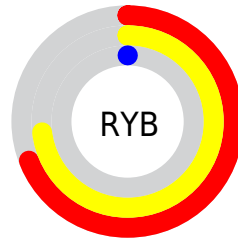
Distribution



Red (73%)

Green (37%)

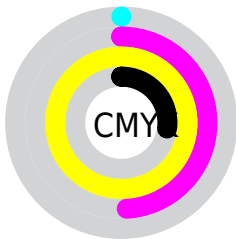
Blue (0%)



Red (69%)

Yellow (73%)

Blue (0%)

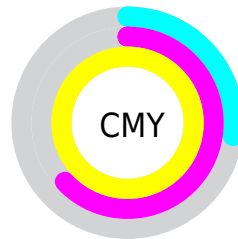


Cyan (0%)

Magenta (49%)

Yellow (100%)

Black (27%)



Cyan (27%)

Magenta (63%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.0998, 18.4987, 2.3004 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 24.0998, 18.4987, 2.3004 by changing the saturation by 10% instead.

■ 24.0998, 18.4987,
2.3004

■ 24.0998, 18.4987,
2.3004

265.7558,
243.6671, 126.8797

■ 15.5328, 11.3086,
0.7314

■ 49.6465, 40.8853,
9.8469

■ 9.2829, 6.2748,
0.0000

■ 67.3569, 56.8506,
16.6798

■ 4.9848, 3.0129,
0.0000

■ 88.8459, 76.5097,
26.1104

■ 2.2730, 1.1385,
0.0000

■ 114.4787,
100.2471, 38.5574

■ 0.7808, 0.0106,
0.0000


■ 144.6207,
128.4472, 54.4393


■ 0.0000, 0.0000,
0.0000


■ 179.6373,


161.4943, 74.1746


 219.8939,
199.7728, 98.1819


 24.0998, 18.4987,
2.3004


 24.0998, 18.4987,
2.3004


 24.1000, 18.4993,
2.3005

 25.0717, 20.2613,
3.1836

 26.2471, 22.2592,
4.6637

 27.6693, 24.5151,
6.9517

 29.3605, 27.0424,
10.1516

 31.3400, 29.8531,
14.3517

■ 33.6249, 32.9580,
19.6295

■ 36.2309, 36.3674,
26.0551

■ 39.1723, 40.0908,
33.6925

■ 42.4625, 44.1374,
42.6008

Harmonies

Analogous

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



30.3020, 18.4987, 6.6942



24.0998, 18.4987, 2.3004



17.2164, 18.4987, 1.4461

Triad

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



24.0998, 18.4987, 2.3004



7.9102, 18.4987, 21.2164



24.8964, 18.4987, 67.6192

Complementary

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



24.0998, 18.4987, 2.3004



12.4130, 10.8148, 47.3318

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.



17.9537, 18.4987, 80.1082



24.0998, 18.4987, 2.3004



9.0381, 18.4987, 45.0037

Square

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



24.0998, 18.4987, 2.3004



8.8035, 18.4987, 7.6105



12.3608, 18.4987, 70.0143



30.8351, 18.4987, 41.9499

Rectangle

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



24.0998, 18.4987, 2.3004



13.4024, 18.4987, 1.9204



12.3608, 18.4987, 70.0143



22.5521, 18.4987, 74.0173

Sweetspot

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



24.1002, 18.4997, 2.3007



64.6457, 64.8201, 46.0476



21.9613, 11.0958, 11.2249



13.5027, 13.4114, 8.8435



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



24.1002, 18.4997, 2.3007



42.9281, 32.6621, 4.0419



37.3563, 45.0119, 6.7194



9.3757, 9.7543, 9.4955



16.4833, 12.7429, 1.5909



0.6428, 0.5727, 0.0767

Inverse Universe

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



12.4130, 10.8148, 47.3318



21.9991, 18.9044, 84.6940



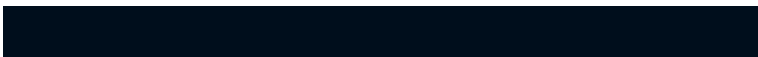
8.7570, 3.5029, 46.1132



8.8720, 9.4213, 11.4303



8.5244, 7.5086, 32.2531



0.3625, 0.3887, 1.1577

Previews

White Background



This preview shows how the XYZ color 24.0998, 18.4987, 2.3004 looks on a white 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

Black Background



This preview shows how the XYZ color 24.0998, 18.4987, 2.3004 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 24.0998, 18.4987, 2.3004

Background



This preview shows how black text looks on a background with the XYZ color 24.0998, 18.4987, 2.3004.



This preview shows how white text looks on a background with the XYZ color 24.0998, 18.4987,

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

24.0998, 18.4987, 2.3004

Protanopia

16.8017, 18.6212, 3.1989

Deuteranopia

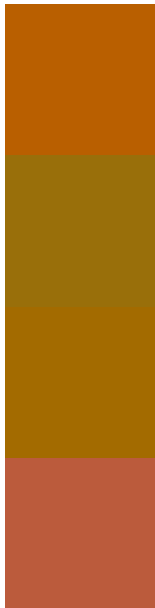
18.7798, 18.6139, 2.6030



Tritanopia

26.2491, 18.4790, 12.7730

Trichromacy



Original Color

24.0998, 18.4987, 2.3004

Protanomaly

18.8761, 18.1631, 2.7981

Deuteranomaly

20.3620, 18.3019, 2.4594

Tritanomaly

25.0502, 18.3732, 6.5011

Monochromacy



Original Color

24.0998, 18.4987, 2.3004

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

16.6701, 15.9614, 8.1635

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.0998, 18.4987, 2.3004 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(185, 95, 0)` looks like.

```
.text, #text, p{  
    color:rgb(185, 95, 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(185, 95, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 95, 0) }
```

Border

The CSS property to change the border of an element to XYZ 24.0998, 18.4987, 2.3004 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(185, 95, 0) }
```


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

```
.border{ border-color:rgb(185, 95, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 95, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 95, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 95, 0);  
box-shadow:4px 4px 4px 4px rgb(185, 95, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 24.0998, 18.4987, 2.3004 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 95, 0) }
```

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

```
.background{ background-color: rgb(185, 95,  
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