

Converting Colors

XYZ(23.7509, 18.3001, 2.2805)

Have a look what the booklet for
XYZ(23.7509, 18.3001, 2.2805)
contains.

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Color

**XYZ(23.8594, 18.3748,
2.2892)**

Conversions

Conversions Part 1

Format	Color
Hex	B85F00
RGB	184, 95, 0
RGB Percent	72%, 37%, 0%
CMY	0.2784, 0.6274, 1.0000
CMYK	0.00, 0.48, 1.00, 0.28
HSL	31°, 100%, 36%
HSV	31°, 100%, 72%
XYZ	23.8594, 18.3748, 2.2892
YIQ	110.7810, 83.5390, -10.6770

Conversions

Conversions Part 2

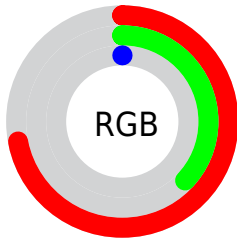
Format	Color
R_{YB}	172, 184, 0
Decimal	12082944
CIE _{Lab}	49.95, 31.15, 58.50
CIE _{LCh}	50, 66.281, 61.964
Yxy	18.3748, 0.5359, 0.4127
Android (android.graphics.Color)	4290273024 (0xFFB85F00)
YUV	110.7810, -54.6150, 64.2131
Hunter-Lab	42.8658, 24.3390, 26.8398

Details

The XYZ color **23.8594, 18.3748, 2.2892** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **12.2241, 10.6054, 46.7498**, and the grayscale version is **15.1830, 15.9737, 17.3954**.

A 20% lighter version of the original color is **49.3093, 40.8081, 9.8353**, and **9.2892, 6.2391, 0.7147** is the 20% darker color. If you saturate the color by 10%, you get **23.8595, 18.3752, 2.2892**, and if you desaturate by 10%, it is **24.8204, 20.1169, 3.1646**.

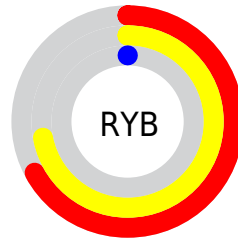
Distribution



Red (72%)

Green (37%)

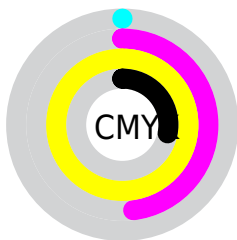
Blue (0%)



Red (67%)

Yellow (72%)

Blue (0%)

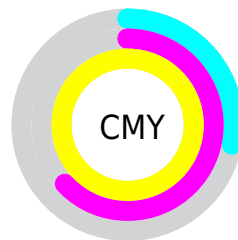


Cyan (0%)

Magenta (48%)

Yellow (100%)

Black (28%)



Cyan (28%)


Magenta (63%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.8594, 18.3748, 2.2892 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 23.8594, 18.3748, 2.2892 by changing the saturation by 10% instead.


 23.8594, 18.3748,
2.2892


 23.8594, 18.3748,
2.2892

264.5626,
242.9752, 126.7172

 15.3535, 11.2194,
0.7252


 49.2570, 40.6749,
9.8174


 9.1558, 6.2146,
0.0000


 66.8795, 56.5885,
16.6378

 4.9009, 2.9760,
0.0000

 88.2715, 76.1902,
26.0538

 2.2234, 1.1192,
0.0000

 113.7984, 99.8645,
38.4840

 0.7550, 0.0000,
0.0000

 143.8256,
127.9957, 54.3469

 0.0000, 0.0000,
0.0000

 178.7185,

160.9683, 74.0610

218.8424,
199.1667, 98.0450

23.8594, 18.3748,
2.2892

23.8594, 18.3748,
2.2892

23.8595, 18.3752,
2.2892

24.8204, 20.1169,
3.1646

25.9813, 22.0895,
4.6287

27.3849, 24.3148,
6.8903

29.0531, 26.8060,
10.0520

31.0048, 29.5747,
14.2010

■ 33.2570, 32.6317,
19.4137

■ 35.8250, 35.9869,
25.7593

■ 38.7228, 39.6497,
33.3008

■ 41.9638, 43.6290,
42.0966

Harmonies

Analogous

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



30.0149, 18.3748, 6.6128



23.8594, 18.3748, 2.2892



17.0494, 18.3748, 1.4550

Triad

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



23.8594, 18.3748, 2.2892



7.8793, 18.3748, 21.2299



24.7632, 18.3748, 66.7906

Complementary

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



23.8594, 18.3748, 2.2892



12.2241, 10.6054, 46.7498

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.



17.8866, 18.3748, 79.3028



23.8594, 18.3748, 2.2892



9.0152, 18.3748, 44.8328

Square

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



23.8594, 18.3748, 2.2892



8.7485, 18.3748, 7.6559



12.3287, 18.3748, 69.5043



30.6195, 18.3748, 41.3703

Rectangle

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



23.8594, 18.3748, 2.2892



13.2823, 18.3748, 1.9395



12.3287, 18.3748, 69.5043



22.4441, 18.3748, 73.1600

Sweetspot

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



23.8598, 18.3758, 2.2895



64.6936, 64.9159, 46.0636



21.6990, 10.9632, 11.0983



13.5141, 13.4341, 8.8473



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.



23.8598, 18.3758, 2.2895



43.0113, 32.8287, 4.0696



36.9074, 44.4710, 6.6387



9.3778, 9.7585, 9.4962



16.5151, 12.8065, 1.6015



0.6439, 0.5748, 0.0770

Inverse Universe

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



12.2241, 10.6054, 46.7498



21.9218, 18.7498, 84.6683



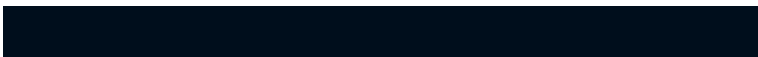
8.6518, 3.4608, 45.5590



8.8699, 9.4171, 11.4296



8.4948, 7.4493, 32.2432



0.3615, 0.3866, 1.1573

Previews

White Background



This preview shows how the XYZ color 23.8594, 18.3748, 2.2892 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 23.8594, 18.3748, 2.2892 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 23.8594, 18.3748, 2.2892

Background



This preview shows how black text looks on a background with the XYZ color 23.8594, 18.3748, 2.2892.



This preview shows how white text looks on a background with the XYZ color 23.8594, 18.3748,

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

23.8594, 18.3748, 2.2892

Protanopia

16.8017, 18.6212, 3.1989

Deuteranopia

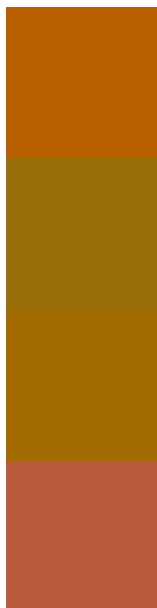
18.6676, 18.3896, 2.5657



Tritanopia

26.0036, 18.3524, 12.7615

Trichromacy



Original Color

23.8594, 18.3748, 2.2892

Protanomaly

18.8761, 18.1631, 2.7981

Deuteranomaly

20.2583, 18.0946, 2.4249

Tritanomaly

24.8064, 18.2475, 6.4896

Monochromacy



Original Color

23.8594, 18.3748, 2.2892

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 23.8594, 18.3748, 2.2892 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(184, 95, 0)` looks like.

```
.text, #text, p{  
    color:rgb(184, 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(184, 95, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 95, 0) }
```

Border

The CSS property to change the border of an element to XYZ 23.8594, 18.3748, 2.2892 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(184, 95, 0) }
```


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

```
.border{ border-color:rgb(184, 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(184, 95, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 95, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 95, 0);  
box-shadow:4px 4px 4px 4px rgb(184, 95, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 23.8594, 18.3748, 2.2892 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 95, 0) }
```

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

```
.background{ background-color: rgb(184, 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](#).

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