

Converting Colors

XYZ(24.3236, 18.2245, 2.2366)

Have a look what the booklet for
XYZ(24.3236, 18.2245, 2.2366)
contains.

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Color

**XYZ(24.3207, 18.2191,
2.2348)**

Conversions

Conversions Part 1

Format	Color
Hex	BB5C00
RGB	187, 92, 0
RGB Percent	73%, 36%, 0%
CMY	0.2667, 0.6392, 1.0000
CMYK	0.00, 0.51, 1.00, 0.27
HSL	30°, 100%, 37%
HSV	30°, 100%, 73%
XYZ	24.3207, 18.2191, 2.2348
YIQ	109.9170, 86.1520, -8.4720

Conversions

Conversions Part 2

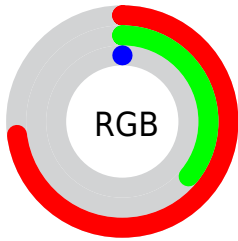
Format	Color
R _Y B	187, 181, 0
Decimal	12278784
CIE Lab	49.76, 33.98, 58.62
CIE LCh	50, 67.758, 59.902
Yxy	18.2191, 0.5432, 0.4069
Android (android.graphics.Color)	4290468864 (0xFFBB5C00)
YUV	109.9170, -54.1891, 67.6018
Hunter-Lab	42.6838, 27.0103, 26.7744

Details

The XYZ color **24.3207, 18.2191, 2.2348** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **13.0617, 11.7720, 48.5972**, and the grayscale version is **14.9312, 15.7088, 17.1069**.

A 20% lighter version of the original color is **49.9097, 40.4341, 9.7315**, and **9.4681, 6.1634, 0.6906** is the 20% darker color. If you saturate the color by 10%, you get **24.3209, 18.2197, 2.2349**, and if you desaturate by 10%, it is **25.3114, 20.0166, 3.1325**.

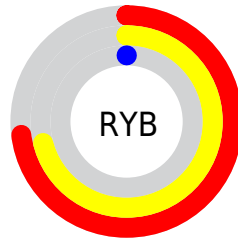
Distribution



Red (73%)

Green (36%)

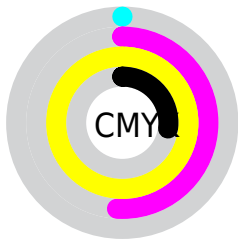
Blue (0%)



Red (73%)

Yellow (71%)

Blue (0%)

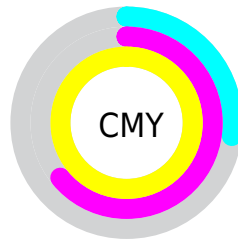


Cyan (0%)

Magenta (51%)

Yellow (100%)

Black (27%)



Cyan (27%)

Magenta (64%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.3207, 18.2191, 2.2348 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 24.3207, 18.2191, 2.2348 by changing the saturation by 10% instead.

■ 24.3207, 18.2191,
2.2348

■ 24.3207, 18.2191,
2.2348

266.8483,
242.1031, 125.9224

■ 15.6977, 11.1074,
0.6943

■ 50.0039, 40.4103,
9.6733

■ 9.4000, 6.1391,
0.0000

■ 67.7948, 56.2586,
16.4329

■ 5.0622, 2.9299,
0.0000

■ 89.3725, 75.7879,
25.7774

■ 2.3189, 1.0952,
0.0000

■ 115.1021, 99.3826,
38.1253


■ 0.8043, 0.0000,
0.0000


■ 145.3492,
127.4271, 53.8952


■ 0.0000, 0.0000,
0.0000


■ 180.4790,


160.3057, 73.5057


 220.8569,
198.4029, 97.3752


 24.3207, 18.2191,
2.2348


 24.3207, 18.2191,
2.2348


 24.3209, 18.2197,
2.2349

 25.3114, 20.0166,
3.1325

 26.5187, 22.0709,
4.6462

 27.9871, 24.4060,
6.9906

 29.7399, 27.0365,
10.2727

 31.7974, 29.9756,
14.5835

■ 34.1775, 33.2352,
20.0027

■ 36.8965, 36.8266,
26.6024

■ 39.9698, 40.7603,
34.4484

■ 43.4112, 45.0464,
43.6015

Harmonies

Analogous

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



30.4669, 18.2191, 6.8652



24.3207, 18.2191, 2.2348



17.3380, 18.2191, 1.2925

Triad

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



24.3207, 18.2191, 2.2348



7.6303, 18.2191, 19.7766



24.2745, 18.2191, 69.3988

Complementary

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



24.3207, 18.2191, 2.2348



13.0617, 11.7720, 48.5972

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.



17.2954, 18.2191, 80.8908



24.3207, 18.2191, 2.2348



8.6282, 18.2191, 43.3739

Square

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



24.3207, 18.2191, 2.2348



8.6415, 18.2191, 6.8132



11.8058, 18.2191, 69.2584



30.4359, 18.2191, 43.5520

Rectangle

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



24.3207, 18.2191, 2.2348



13.4240, 18.2191, 1.6678



11.8058, 18.2191, 69.2584



21.8974, 18.2191, 75.5898

Sweetspot

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



24.3211, 18.2201, 2.2351



65.8300, 65.6289, 47.0178



22.6334, 11.4208, 12.2278



14.0287, 13.8390, 9.2029



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.



24.3211, 18.2201, 2.2351



43.3229, 32.1597, 3.9241



37.6096, 44.7971, 6.6646



9.9073, 10.2906, 10.0407



16.8294, 12.6975, 1.5639



0.7247, 0.6283, 0.0831

Inverse Universe

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



13.0617, 11.7720, 48.5972



23.1554, 20.6074, 86.9586



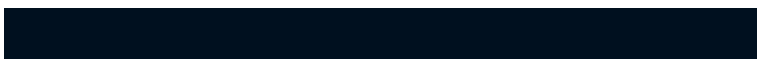
9.0035, 3.6556, 47.2445



9.4063, 10.0049, 12.1076



9.0719, 8.2556, 33.5082



0.4207, 0.4541, 1.3343

Previews

White Background



This preview shows how the XYZ color 24.3207, 18.2191, 2.2348 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 24.3207, 18.2191, 2.2348 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 24.3207, 18.2191, 2.2348

Background



This preview shows how black text looks on a background with the XYZ color 24.3207, 18.2191, 2.2348.



This preview shows how white text looks on a background with the XYZ color 24.3207, 18.2191,

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

24.3207, 18.2191, 2.2348

Protanopia

16.5219, 18.2994, 3.1516

Deuteranopia

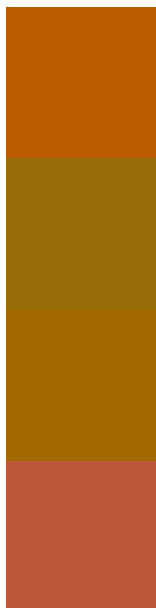
18.4828, 18.2943, 2.5570



Tritanopia

26.4513, 18.3581, 12.0469

Trichromacy



Original Color

24.3207, 18.2191, 2.2348

Protanomaly

18.6603, 17.7315, 2.7262

Deuteranomaly

20.1558, 17.8897, 2.3907

Tritanomaly

25.2397, 18.1038, 6.1671

Monochromacy



Original Color

24.3207, 18.2191, 2.2348

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

16.4370, 15.5460, 7.9287

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.3207, 18.2191, 2.2348 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(187, 92, 0)` looks like.

```
.text, #text, p{  
    color:rgb(187, 92, 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(187, 92, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 92, 0) }
```

Border

The CSS property to change the border of an element to XYZ 24.3207, 18.2191, 2.2348 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(187, 92, 0) }
```


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

```
.border{ border-color:rgb(187, 92, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 92, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 92, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 92, 0);  
box-shadow:4px 4px 4px 4px rgb(187, 92, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 24.3207, 18.2191, 2.2348 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 92, 0) }
```

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

```
.background{ background-color: rgb(187, 92,  
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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