

Converting Colors

XYZ(24.3222, 16.6556, 1.9329)

Have a look what the booklet for
XYZ(24.3222, 16.6556, 1.9329)
contains.

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Color

**XYZ(24.2818, 16.6683,
1.9375)**

Conversions

Conversions Part 1

Format	Color
Hex	BF4F00
RGB	191, 79, 0
RGB Percent	75%, 31%, 0%
CMY	0.2510, 0.6902, 1.0000
CMYK	0.00, 0.59, 1.00, 0.25
HSL	25°, 100%, 37%
HSV	25°, 100%, 75%
XYZ	24.2818, 16.6683, 1.9375
YIQ	103.4820, 92.1110, -0.8250

Conversions

Conversions Part 2

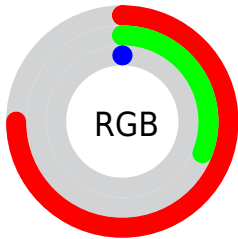
Format	Color
R_{YB}	191, 135, 0
Decimal	12537600
CIE _{Lab}	47.84, 42.09, 57.85
CIE _{LCh}	48, 71.545, 53.962
Yxy	16.6683, 0.5662, 0.3887
Android (android.graphics.Color)	4290727680 (0xFFBF4F00)
YUV	103.4820, -51.0166, 76.7533
Hunter-Lab	40.8268, 34.7161, 25.7651

Details

The XYZ color **24.2818, 16.6683, 1.9375** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **15.1976, 15.3489, 51.4514**, and the grayscale version is **13.1350, 13.8190, 15.0489**.

A 20% lighter version of the original color is **49.8050, 37.6297, 8.9132**, and **9.4227, 5.4059, 0.5468** is the 20% darker color. If you saturate the color by 10%, you get **24.2820, 16.6690, 1.9376**, and if you desaturate by 10%, it is **25.2777, 18.4708, 2.8537**.

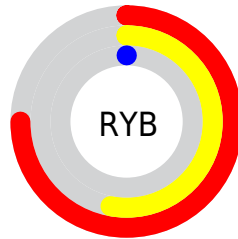
Distribution



Red (75%)

Green (31%)

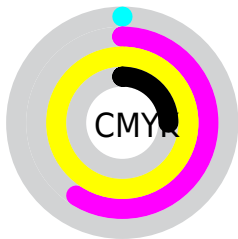
Blue (0%)



Red (75%)

Yellow (53%)

Blue (0%)

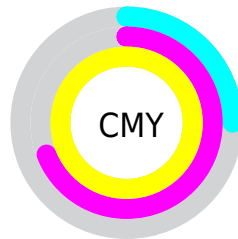


Cyan (0%)

Magenta (59%)

Yellow (100%)

Black (25%)



Cyan (25%)


Magenta (69%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 24.2818, 16.6683, 1.9375 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 24.2818, 16.6683, 1.9375 by changing the saturation by 10% instead.


 24.2818, 16.6683,
1.9375


 24.2818, 16.6683,
1.9375


 266.6562,
233.2536, 121.3986


 15.6687, 9.9983,
0.5164


 49.9410, 37.7546,
8.8692


 9.3794, 5.3978,
0.0000


 67.7178, 52.9396,
15.2827


 5.0485, 2.4825,
0.0000

 89.2798, 71.7318,
24.2193

 2.3108, 0.8679,
0.0000

 114.9924, 94.5155,
36.0977

 0.8002, 0.0000,
0.0000


 145.2210,
121.6752, 51.3362


 0.0000, 0.0000,
0.0000


 180.3310,


153.5951, 70.3535


 220.6876,
190.6598, 93.5681


 24.2818, 16.6683,
1.9375


 24.2818, 16.6683,
1.9375

 24.2820, 16.6690,
1.9376

 25.2777, 18.4708,
2.8537

 26.5320, 20.6039,
4.4295

 28.0929, 23.0971,
6.8882

 29.9874, 25.9701,
10.3434

 32.2387, 29.2407,
14.8916

■ 34.8676, 32.9255,
20.6176

■ 37.8933, 37.0397,
27.5979

■ 41.3332, 41.5978,
35.9023

■ 45.2039, 46.6136,
45.5955

Harmonies

Analogous

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



30.0308, 16.6683, 7.2361



24.2818, 16.6683, 1.9375



17.1785, 16.6683, 0.7923

Triad

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



24.2818, 16.6683, 1.9375



6.4573, 16.6683, 14.6748



21.4101, 16.6683, 73.5038

Complementary

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



24.2818, 16.6683, 1.9375



15.1976, 15.3489, 51.4514

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.



14.5780, 16.6683, 80.9958



24.2818, 16.6683, 1.9375



7.0208, 16.6683, 36.6505

Square

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



24.2818, 16.6683, 1.9375



7.8038, 16.6683, 4.2750



9.6279, 16.6683, 64.4447



28.0835, 16.6683, 47.9480

Rectangle

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



24.2818, 16.6683, 1.9375



13.0443, 16.6683, 0.9124



9.6279, 16.6683, 64.4447



19.0152, 16.6683, 78.7156

Sweetspot

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



24.2822, 16.6692, 1.9378



67.5929, 65.9699, 48.7797



24.5573, 12.3050, 17.1803



14.3186, 13.7782, 9.4880



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.



24.2822, 16.6692, 1.9378



43.2636, 29.4025, 3.3950



36.2191, 40.5431, 5.9167



9.8456, 10.1672, 10.0202



16.0334, 11.1055, 1.2985



0.6927, 0.5643, 0.0724

Inverse Universe

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



15.1976, 15.3489, 51.4514



26.9735, 26.9988, 92.0688



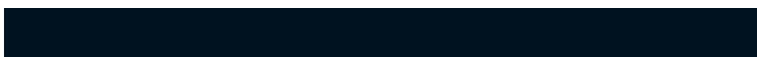
9.6385, 4.2308, 49.5984



9.4687, 10.1298, 12.1284



10.0685, 10.2488, 33.8404



0.4575, 0.5276, 1.3466

Previews

White Background



This preview shows how the XYZ color 24.2818, 16.6683, 1.9375 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 24.2818, 16.6683, 1.9375 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 24.2818, 16.6683, 1.9375

Background



This preview shows how black text looks on a background with the XYZ color 24.2818, 16.6683, 1.9375.



This preview shows how white text looks on a background with the XYZ color 24.2818, 16.6683,

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

24.2818, 16.6683, 1.9375

Protanopia

15.2932, 16.9723, 3.0422

Deuteranopia

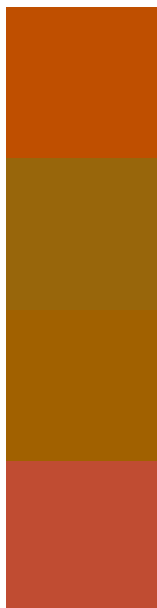
16.8642, 16.6544, 2.3258



Tritanopia

25.8162, 16.7851, 9.0869

Trichromacy



Original Color

24.2818, 16.6683, 1.9375

Protanomaly

17.7607, 16.2023, 2.5079

Deuteranomaly

18.9726, 16.1265, 2.1128

Tritanomaly

24.8984, 16.6056, 4.9105

Monochromacy



Original Color

24.2818, 16.6683, 1.9375

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

14.9777, 13.5497, 6.9802

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.2818, 16.6683, 1.9375 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, 79, 0)` looks like.

```
.text, #text, p{  
    color:rgb(191, 79, 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, 79, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 79, 0) }
```

Border

The CSS property to change the border of an element to XYZ 24.2818, 16.6683, 1.9375 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, 79, 0) }
```


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

```
.border{ border-color:rgb(191, 79, 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, 79, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 79, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 79, 0);  
box-shadow:4px 4px 4px 4px rgb(191, 79, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 24.2818, 16.6683, 1.9375 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 79, 0) }
```

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

```
.background{ background-color: rgb(191, 79,  
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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