

Converting Colors

XYZ(24.5165, 16.9239, 2.3685)

Have a look what the booklet for
XYZ(24.5165, 16.9239, 2.3685)
contains.

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Color

**XYZ(24.4272, 16.8427,
2.3443)**

Conversions

Conversions Part 1

Format	Color
Hex	BF500D
RGB	191, 80, 13
RGB Percent	75%, 31%, 5%
CMY	0.2510, 0.6862, 0.9490
CMYK	0.00, 0.58, 0.93, 0.25
HSL	23°, 87%, 40%
HSV	23°, 93%, 75%
XYZ	24.4272, 16.8427, 2.3443
YIQ	105.5510, 87.6630, 2.6950

Conversions

Conversions Part 2

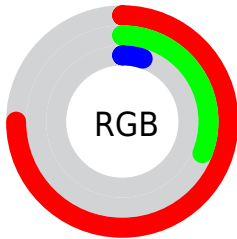
Format	Color
RYB	191, 120, 13
Decimal	12537869
CIELab	48.06, 41.77, 54.81
CIElCh	48, 68.912, 52.692
Yxy	16.8427, 0.5601, 0.3862
Android (android.graphics.Color)	4290727949 (0xFFBF500D)
YUV	105.5510, -45.6276, 74.9388
Hunter-Lab	41.0399, 34.4246, 25.3411

Details

The XYZ color **24.4272, 16.8427, 2.3443** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **16.7772, 18.2617, 51.9306**, and the grayscale version is **13.6814, 14.3939, 15.6749**.

A 20% lighter version of the original color is **50.1374, 37.9786, 9.9983**, and **9.5979, 5.5297, 0.5615** is the 20% darker color. If you saturate the color by 10%, you get **23.7965, 15.6978, 1.7758**, and if you desaturate by 10%, it is **25.5678, 18.8210, 3.6592**.

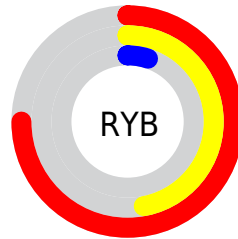
Distribution



Red (75%)

Green (31%)

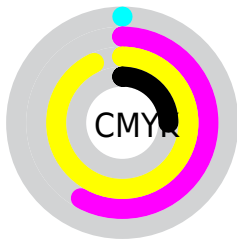
Blue (5%)



Red (75%)

Yellow (47%)

Blue (5%)

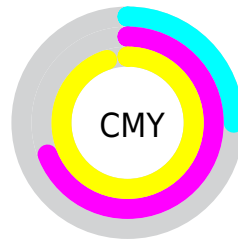


Cyan (0%)

Magenta (58%)

Yellow (93%)

Black (25%)



Cyan (25%)

Magenta (69%)

Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.4272, 16.8427, 2.3443 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 24.4272, 16.8427, 2.3443 by changing the saturation by 10% instead.

■ 24.4272, 16.8427,
2.3443

■ 24.4272, 16.8427,
2.3443

267.3738,
234.2643, 127.5128

■ 15.7773, 10.1224,
0.7559

■ 50.1761, 38.0551,
9.9624

■ 9.4565, 5.4802,
0.0000

■ 68.0057, 53.3160,
16.8437

■ 5.0996, 2.5317,
0.0000

■ 89.6259, 72.1926,
26.3314

■ 2.3412, 0.8924,
0.0000

■ 115.4021, 95.0693,
38.8439


■ 0.8156, 0.0000,
0.0000


■ 145.6997,
122.3303, 54.7997


■ 0.0000, 0.0000,
0.0000


■ 180.8839,


154.3603, 74.6174


 221.3201,
191.5435, 98.7156


 24.4272, 16.8427,
2.3443


 24.4272, 16.8427,
2.3443

 23.7965, 15.6978,
1.7758

 25.5678, 18.8210,
3.6592

 27.0207, 21.1829,
5.8201

 28.8160, 23.9526,
8.9493

 30.9792, 27.1509,
13.1482

 33.5330, 30.7969,
18.5053

■ 36.4980, 34.9085,
25.0999

■ 39.8934, 39.5024,
33.0041

■ 43.7368, 44.5945,
42.2844

■ 48.0449, 50.1998,
53.0028

Harmonies

Analogous

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



29.8077, 16.8427, 8.0285



24.4272, 16.8427, 2.3443



17.5821, 16.8427, 1.0155

Triad

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



24.4272, 16.8427, 2.3443



6.8203, 16.8427, 14.3097



21.0916, 16.8427, 71.7341

Complementary

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



24.4272, 16.8427, 2.3443



16.7772, 18.2617, 51.9306

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.



14.5317, 16.8427, 77.8014



24.4272, 16.8427, 2.3443



7.3013, 16.8427, 35.0235

Square

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



24.4272, 16.8427, 2.3443



8.2425, 16.8427, 4.4097



9.7875, 16.8427, 61.4307



27.5591, 16.8427, 48.0030

Rectangle

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



24.4272, 16.8427, 2.3443



13.5170, 16.8427, 1.0990



9.7875, 16.8427, 61.4307



18.7888, 16.8427, 76.3436

Sweetspot

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



24.4276, 16.8437, 2.3446



68.1580, 66.3190, 51.3765



25.3785, 12.8638, 20.7943



14.4017, 13.7940, 9.9796



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.



24.4276, 16.8437, 2.3446



42.4053, 27.6858, 3.1089



35.4261, 38.8407, 6.0107



9.8165, 10.1091, 10.0105



15.7107, 10.4602, 1.1910



0.6788, 0.5366, 0.0678

Inverse Universe

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



16.7772, 18.2617, 51.9306



28.4379, 29.9277, 92.5569



10.2234, 5.1540, 49.7460



9.4986, 10.1895, 12.1383



10.6030, 11.3176, 34.0186



0.4763, 0.5653, 1.3529

Previews

White Background



This preview shows how the XYZ color 24.4272, 16.8427, 2.3443 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



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 24.4272, 16.8427, 2.3443

Background



This preview shows how black text looks on a background with the XYZ color 24.4272, 16.8427, 2.3443.



This preview shows how white text looks on a background with the XYZ color 24.4272, 16.8427,

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

24.4272, 16.8427, 2.3443

Protanopia

15.3386, 16.9905, 3.2817

Deuteranopia

17.1457, 16.9570, 2.3694



Tritanopia

25.9197, 16.9341, 9.2996

Trichromacy



Original Color

24.4272, 16.8427, 2.3443

Protanomaly

17.8178, 16.2252, 2.8088

Deuteranomaly

19.2954, 16.4277, 2.2975

Tritanomaly

25.0817, 16.7901, 5.5333

Monochromacy



Original Color

24.4272, 16.8427, 2.3443

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

15.7609, 14.3356, 8.0673

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.4272, 16.8427, 2.3443 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, 80, 13)` looks like.

```
.text, #text, p{  
    color:rgb(191, 80, 13)  
}
```

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, 80, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 80, 13) }
```

Border

The CSS property to change the border of an element to XYZ 24.4272, 16.8427, 2.3443 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, 80, 13) }
```


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

```
.border{ border-color:rgb(191, 80, 13) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 80, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 80, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 80, 13);  
box-shadow:4px 4px 4px 4px rgb(191, 80,  
13) }
```

Background

The CSS property to change the background color of an element to XYZ 24.4272, 16.8427, 2.3443 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 80, 13) }
```

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

```
.background{ background-color: rgb(191, 80,  
13) }
```

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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