

Converting Colors

XYZ(24.4123, 17.9484, 2.4707)

Have a look what the booklet for
XYZ(24.4123, 17.9484, 2.4707)
contains.

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Color

**XYZ(24.4500, 18.0256,
2.4778)**

Conversions

Conversions Part 1

Format	Color
Hex	BC5A0A
RGB	188, 90, 10
RGB Percent	74%, 35%, 4%
CMY	0.2627, 0.6470, 0.9608
CMYK	0.00, 0.52, 0.95, 0.26
HSL	27°, 90%, 39%
HSV	27°, 95%, 74%
XYZ	24.4500, 18.0256, 2.4778
YIQ	110.1820, 84.0880, -4.1040

Conversions

Conversions Part 2

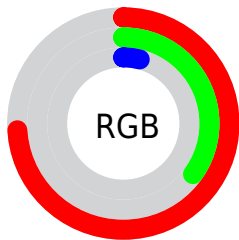
Format	Color
RYB	188, 155, 10
Decimal	12343818
CIELab	49.53, 35.55, 56.30
CIElCh	50, 66.585, 57.733
Yxy	18.0256, 0.5439, 0.4010
Android (android.graphics.Color)	4290533898 (0xFFBC5A0A)
YUV	110.1820, -49.3897, 68.2464
Hunter-Lab	42.4566, 28.4961, 26.2594

Details

The XYZ color **24.4500, 18.0256, 2.4778** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **14.5646, 14.4201, 49.5923**, and the grayscale version is **14.9946, 15.7755, 17.1795**.

A 20% lighter version of the original color is **50.0807, 40.0633, 10.2477**, and **9.5112, 6.0296, 0.6625** is the 20% darker color. If you saturate the color by 10%, you get **23.9480, 17.1095, 2.0403**, and if you desaturate by 10%, it is **25.5497, 19.9619, 3.6562**.

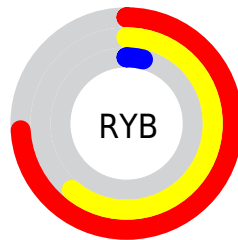
Distribution



Red (74%)

Green (35%)

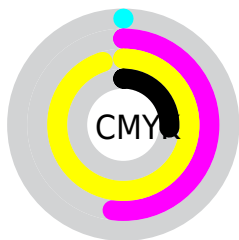
Blue (4%)



Red (74%)

Yellow (61%)

Blue (4%)

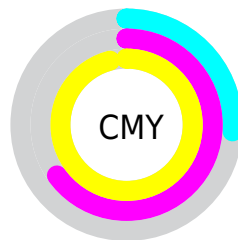


Cyan (0%)

Magenta (52%)

Yellow (95%)

Black (26%)



Cyan (26%)

Magenta (65%)

Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.4500, 18.0256, 2.4778 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 24.4500, 18.0256, 2.4778 by changing the saturation by 10% instead.

■ 24.4500, 18.0256,
2.4778

■ 24.4500, 18.0256,
2.4778

267.4862,
241.0153, 129.4033

■ 15.7943, 10.9684,
0.8284

■ 50.2129, 40.0809,
10.3101

■ 9.4686, 6.0456,
0.0000

■ 68.0508, 55.8478,
17.3364

■ 5.1076, 2.8728,
0.0000

■ 89.6802, 75.2868,
26.9941

■ 2.3460, 1.0657,
0.0000

■ 115.4663, 98.7821,
39.7018

■ 0.8180, 0.0000,
0.0000

■ 145.7747,
126.7182, 55.8780

■ 0.0000, 0.0000,
0.0000

■ 180.9705,

159.4795, 75.9413

221.4192,
197.4504, 100.3102

24.4500, 18.0256,
2.4778

24.4500, 18.0256,
2.4778

23.9480, 17.1095,
2.0403

25.5497, 19.9619,
3.6562

26.9167, 22.2064,
5.6213

28.5785, 24.7779,
8.4934

30.5578, 27.6925,
12.3716

32.8747, 30.9646,
17.3420

■ 35.5474, 34.6077,
23.4812

■ 38.5927, 38.6344,
30.8589

■ 42.0261, 43.0568,
39.5393

■ 45.8622, 47.8862,
49.5821

Harmonies

Analogous

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



30.2514, 18.0256, 7.5024



24.4500, 18.0256, 2.4778



17.6167, 18.0256, 1.3636

Triad

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



24.4500, 18.0256, 2.4778



7.6535, 18.0256, 18.2856



23.4125, 18.0256, 69.1520

Complementary

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



24.4500, 18.0256, 2.4778



14.5646, 14.4201, 49.5923

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.



16.6578, 18.0256, 78.7301



24.4500, 18.0256, 2.4778



8.4900, 18.0256, 40.6088

Square

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



24.4500, 18.0256, 2.4778



8.7938, 18.0256, 6.3183



11.4439, 18.0256, 66.0214



29.5565, 18.0256, 44.5939

Rectangle

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



24.4500, 18.0256, 2.4778



13.7009, 18.0256, 1.6564



11.4439, 18.0256, 66.0214



21.0946, 18.0256, 74.7068

Sweetspot

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



24.4504, 18.0266, 2.4781



67.7766, 67.1778, 50.6016



23.7095, 12.0533, 16.0779



14.0682, 13.7742, 9.6594



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.



24.4504, 18.0266, 2.4781



43.1654, 30.5344, 3.6187



36.3451, 41.8161, 6.4430



9.8737, 10.2234, 10.0296



16.3773, 11.7933, 1.4132



0.7068, 0.5926, 0.0771

Inverse Universe

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



14.5646, 14.4201, 49.5923



25.0831, 23.8448, 89.5067



9.4867, 4.2643, 47.8997



9.4401, 10.0726, 12.1189



9.5916, 9.2950, 33.6815



0.4402, 0.4930, 1.3408

Previews

White Background



This preview shows how the XYZ color 24.4500, 18.0256, 2.4778 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 24.4500, 18.0256, 2.4778 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 24.4500, 18.0256, 2.4778

Background



This preview shows how black text looks on a background with the XYZ color 24.4500, 18.0256, 2.4778.



This preview shows how white text looks on a background with the XYZ color 24.4500, 18.0256,

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

24.4500, 18.0256, 2.4778

Protanopia

16.3960, 18.2307, 3.3165

Deuteranopia

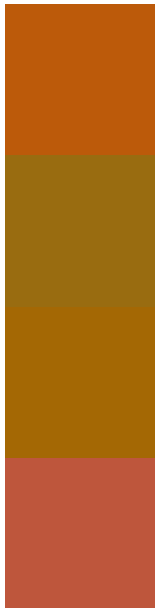
18.3718, 18.0724, 2.5200



Tritanopia

26.4594, 18.1383, 11.5577

Trichromacy



Original Color

24.4500, 18.0256, 2.4778

Protanomaly

18.5930, 17.5348, 2.8948

Deuteranomaly

20.2821, 17.8019, 2.4820

Tritanomaly

25.3786, 17.9290, 6.3980

Monochromacy



Original Color

24.4500, 18.0256, 2.4778

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

16.5675, 15.5982, 8.6161

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.4500, 18.0256, 2.4778 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(188, 90, 10)` looks like.

```
.text, #text, p{  
    color:rgb(188, 90, 10)  
}
```

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(188, 90, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 90, 10) }
```

Border

The CSS property to change the border of an element to XYZ 24.4500, 18.0256, 2.4778 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(188, 90, 10) }
```


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

```
.border{ border-color:rgb(188, 90, 10) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 90, 10)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 90, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 90, 10);  
box-shadow:4px 4px 4px 4px rgb(188, 90,  
10) }
```

Background

The CSS property to change the background color of an element to XYZ 24.4500, 18.0256, 2.4778 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 90, 10) }
```

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

```
.background{ background-color: rgb(188, 90,  
10) }
```

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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