

Converting Colors

XYZ(24.9806, 18.3648, 4.0399)

Have a look what the booklet for
XYZ(24.9806, 18.3648, 4.0399)
contains.

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Color

**XYZ(25.0772, 18.4409,
4.0715)**

Conversions

Conversions Part 1

Format	Color
Hex	BD5B26
RGB	189, 91, 38
RGB Percent	74%, 36%, 15%
CMY	0.2588, 0.6431, 0.8510
CMYK	0.00, 0.52, 0.80, 0.26
HSL	21°, 67%, 45%
HSV	21°, 80%, 74%
XYZ	25.0772, 18.4409, 4.0715
YIQ	114.2600, 75.4210, 4.2930

Conversions

Conversions Part 2

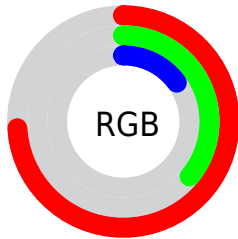
Format	Color
RYB	189, 120, 38
Decimal	12409638
CIELab	50.03, 36.09, 46.96
CIELCh	50, 59.226, 52.455
Yxy	18.4409, 0.5269, 0.3875
Android (android.graphics.Color)	4290599718 (0xFFBD5B26)
YUV	114.2600, -37.5962, 65.5470
Hunter-Lab	42.9429, 29.0880, 24.4386

Details

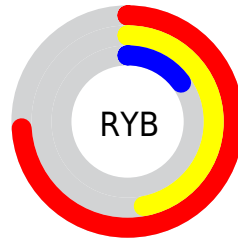
The XYZ color **25.0772, 18.4409, 4.0715** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **18.7882, 21.6933, 51.3407**, and the grayscale version is **16.1665, 17.0085, 18.5222**.

A 20% lighter version of the original color is **51.3264, 40.8423, 14.1950**, and **9.8462, 6.2530, 0.6880** is the 20% darker color. If you saturate the color by 10%, you get **23.8818, 16.4207, 2.5315**, and if you desaturate by 10%, it is **26.5995, 20.8678, 6.4840**.

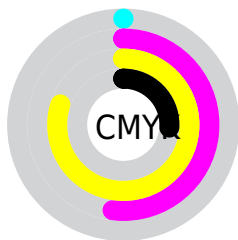
Distribution



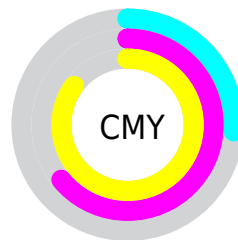
- Red (74%)
- Green (36%)
- Blue (15%)



- Red (74%)
- Yellow (47%)
- Blue (15%)



- Cyan (0%)
- Magenta (52%)
- Yellow (80%)
- Black (26%)



- Cyan (26%)
- Magenta (64%)
- Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.0772, 18.4409, 4.0715 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 25.0772, 18.4409, 4.0715 by changing the saturation by 10% instead.

■ 25.0772, 18.4409,
4.0715

■ 25.0772, 18.4409,
4.0715

270.5627,
243.3446, 149.0168

■ 16.2636, 11.2670,
1.6647

■ 51.2244, 40.7872,
14.1743

■ 9.8029, 6.2467,
0.3363

■ 69.2888, 56.7284,
22.7074

■ 5.3297, 2.9957,
0.0000

■ 91.1674, 76.3607,
34.1196

■ 2.4787, 1.1295,
0.0000

■ 117.2258,
100.0687, 48.8295

■ 0.8845, 0.0029,
0.0000

■ 147.8291,
128.2367, 67.2556

■ 0.0000, 0.0000,
0.0000

■ 183.3428,

161.2491, 89.8165

224.1322,
199.4902, 116.9307

■ 25.0772, 18.4409,
4.0715

■ 25.0772, 18.4409,
4.0715

■ 23.8818, 16.4207,
2.5315

■ 26.5995, 20.8678,
6.4840

■ 22.9633, 14.7713,
1.6467

■ 28.4759, 23.7222,
9.8794

■ 22.9545, 14.7555,
1.6383

■ 30.7316, 27.0265,
14.3525

■ 33.3888, 30.8008,
19.9864

■ 36.4679, 35.0635,
26.8562

■ 39.9877, 39.8322,
35.0304

■ 43.9659, 45.1235,
44.5725

■ 48.4191, 50.9531,
55.5420

■ 53.3629, 57.3361,
67.9945

Harmonies

Analogous

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



29.7102, 18.4409, 10.3299



25.0772, 18.4409, 4.0715



19.0039, 18.4409, 2.2800

Triad

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



25.0772, 18.4409, 4.0715



8.7636, 18.4409, 16.2388



22.0483, 18.4409, 65.1997

Complementary

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



25.0772, 18.4409, 4.0715



18.7882, 21.6933, 51.3407

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.



16.1296, 18.4409, 69.9251



25.0772, 18.4409, 4.0715



9.2348, 18.4409, 34.5856

Square

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



25.0772, 18.4409, 4.0715



10.2041, 18.4409, 6.3963



11.6691, 18.4409, 56.5864



27.7141, 18.4409, 45.8710

Rectangle

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



25.0772, 18.4409, 4.0715



15.2718, 18.4409, 2.3910



11.6691, 18.4409, 56.5864



19.9951, 18.4409, 68.8593

Sweetspot

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



25.0776, 18.4419, 4.0718



68.6878, 67.3904, 55.8685



26.1339, 13.9870, 24.6710



14.2956, 13.8462, 10.9154



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.



25.0776, 18.4419, 4.0718



41.4921, 27.1019, 3.3255



35.0359, 38.3585, 7.3912



9.7968, 10.0695, 10.0039



15.5102, 10.0591, 1.1241



0.6698, 0.5186, 0.0648

Inverse Universe

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



18.7882, 21.6933, 51.3407



29.5478, 32.5922, 90.9598



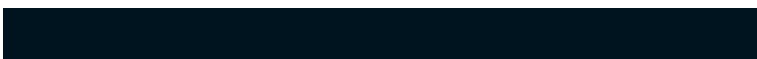
11.6349, 7.3866, 48.9563



9.5191, 10.2305, 12.1452



10.9910, 12.0937, 34.1479



0.4898, 0.5922, 1.3573

Previews

White Background



This preview shows how the XYZ color 25.0772, 18.4409, 4.0715 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 25.0772, 18.4409, 4.0715 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 25.0772, 18.4409, 4.0715

Background



This preview shows how black text looks on a background with the XYZ color 25.0772, 18.4409, 4.0715.



This preview shows how white text looks on a background with the XYZ color 25.0772, 18.4409,

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

25.0772, 18.4409, 4.0715

Protanopia

16.8825, 18.6167, 5.2884

Deuteranopia

18.7171, 18.3880, 3.7910



Tritanopia

26.6227, 18.3287, 12.0322

Trichromacy



Original Color

25.0772, 18.4409, 4.0715

Protanomaly

19.0416, 17.8840, 4.7339

Deuteranomaly

20.6359, 18.1055, 3.8459

Tritanomaly

25.8131, 18.2314, 8.2894

Monochromacy



Original Color

25.0772, 18.4409, 4.0715

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

17.8183, 16.6427, 11.0773

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.0772, 18.4409, 4.0715 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(189, 91, 38)` looks like.

```
.text, #text, p{  
    color:rgb(189, 91, 38)  
}
```

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(189, 91, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 91, 38) }
```

Border

The CSS property to change the border of an element to XYZ 25.0772, 18.4409, 4.0715 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(189, 91, 38) }
```


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

```
.border{ border-color:rgb(189, 91, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 91, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 91, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 91, 38);  
box-shadow:4px 4px 4px 4px rgb(189, 91,  
38) }
```

Background

The CSS property to change the background color of an element to XYZ 25.0772, 18.4409, 4.0715 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 91, 38) }
```

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

```
.background{ background-color: rgb(189, 91,  
38) }
```

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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