

Converting Colors

XYZ(23.3475, 17.0896, 3.0003)

Have a look what the booklet for
XYZ(23.3475, 17.0896, 3.0003)
contains.

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Color

**XYZ(23.3508, 17.0769,
2.9852)**

Conversions

Conversions Part 1

Format	Color
Hex	B85719
RGB	184, 87, 25
RGB Percent	72%, 34%, 10%
CMY	0.2784, 0.6588, 0.9019
CMYK	0.00, 0.53, 0.86, 0.28
HSL	23°, 76%, 41%
HSV	23°, 86%, 72%
XYZ	23.3508, 17.0769, 2.9852
YIQ	108.9350, 77.7140, 1.2820

Conversions

Conversions Part 2

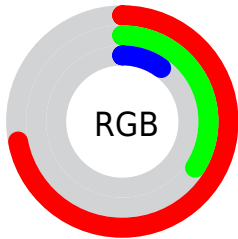
Format	Color
RYB	184, 127, 25
Decimal	12080921
CIELab	48.36, 35.75, 50.65
CIElCh	48, 62.001, 54.783
Yxy	17.0769, 0.5379, 0.3934
Android (android.graphics.Color)	4290271001 (0xFFB85719)
YUV	108.9350, -41.3800, 65.8320
Hunter-Lab	41.3242, 28.5465, 24.6439

Details

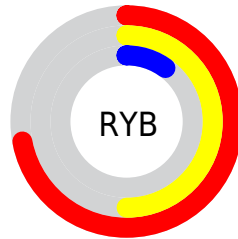
The XYZ color **23.3508, 17.0769, 2.9852** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **16.0117, 17.5855, 47.8974**, and the grayscale version is **14.6162, 15.3774, 16.7460**.

A 20% lighter version of the original color is **48.5087, 38.5661, 11.5439**, and **8.9737, 5.6082, 0.6095** is the 20% darker color. If you saturate the color by 10%, you get **22.3726, 15.3436, 1.9721**, and if you desaturate by 10%, it is **24.5998, 19.1463, 4.7235**.

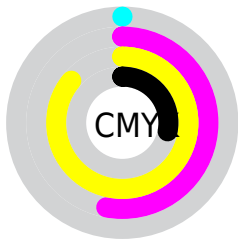
Distribution



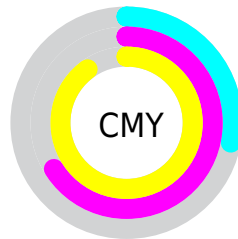
- Red (72%)
- Green (34%)
- Blue (10%)



- Red (72%)
- Yellow (50%)
- Blue (10%)



- Cyan (0%)
- Magenta (53%)
- Yellow (86%)
- Black (28%)





- Cyan (28%)
- Magenta (66%)
- Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.3508, 17.0769, 2.9852 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 23.3508, 17.0769, 2.9852 by changing the saturation by 10% instead.


 23.3508, 17.0769,
2.9852


 23.3508, 17.0769,
2.9852


262.0235,
235.6151, 136.1719


 14.9749, 10.2893,
1.0871


 48.4311, 38.4579,
11.5919


 8.8880, 5.5912,
0.0000


 65.8662, 53.8202,
19.1376


 4.7247, 2.5981,
0.0000

 87.0518, 72.8095,
29.4028

 2.1197, 0.9257,
0.0000

 112.3531, 95.8102,
42.8062

 0.6999, 0.0000,
0.0000

 142.1356,
123.2067, 59.7663

 0.0000, 0.0000,
0.0000

 176.7646,

155.3835, 80.7015

216.6054,
192.7248, 106.0306

23.3508, 17.0769,
2.9852

23.3508, 17.0769,
2.9852

22.3726, 15.3436,
1.9721

24.5998, 19.1463,
4.7235

22.0684, 14.7932,
1.6922

26.1484, 21.5706,
7.3145

28.0210, 24.3695,
10.8557

30.2385, 27.5602,
15.4310

32.8199, 31.1584,
21.1148

■ 35.7826, 35.1790,
27.9749

■ 39.1430, 39.6361,
36.0732

■ 42.9161, 44.5430,
45.4675

■ 47.1163, 49.9125,
56.2119

Harmonies

Analogous

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



28.2526, 17.0769, 8.3497



23.3508, 17.0769, 2.9852



17.2409, 17.0769, 1.6225

Triad

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



23.3508, 17.0769, 2.9852



7.6263, 17.0769, 15.9014



21.2340, 17.0769, 63.6752

Complementary

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



23.3508, 17.0769, 2.9852



16.0117, 17.5855, 47.8974

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.



15.2615, 17.0769, 70.1092



23.3508, 17.0769, 2.9852



8.2196, 17.0769, 34.9586

Square

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



23.3508, 17.0769, 2.9852



8.8645, 17.0769, 5.7893



10.7292, 17.0769, 57.4511



26.8448, 17.0769, 42.9817

Rectangle

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



23.3508, 17.0769, 2.9852



13.6094, 17.0769, 1.8067



10.7292, 17.0769, 57.4511



19.1695, 17.0769, 67.9452

Sweetspot

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



23.3512, 17.0778, 2.9855



64.8528, 63.7539, 50.6804



23.6930, 12.3170, 19.8842



13.5664, 13.1858, 9.9524



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



23.3512, 17.0778, 2.9855



39.7896, 26.3851, 2.9957



33.4789, 37.3332, 6.3614



9.2841, 9.5712, 9.4650



15.2740, 10.3243, 1.1878



0.5992, 0.4855, 0.0621

Inverse Universe

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



16.0117, 17.5855, 47.8974



25.9973, 26.9007, 86.0268



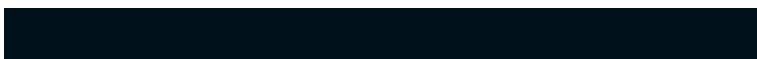
9.9367, 5.4356, 45.8724



8.9647, 9.6066, 11.4612



10.0451, 10.5498, 32.7600



0.4124, 0.4884, 1.1743

Previews

White Background



This preview shows how the XYZ color 23.3508, 17.0769, 2.9852 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 23.3508, 17.0769, 2.9852 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 23.3508, 17.0769, 2.9852

Background



This preview shows how black text looks on a background with the XYZ color 23.3508, 17.0769, 2.9852.



This preview shows how white text looks on a background with the XYZ color 23.3508, 17.0769,

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

23.3508, 17.0769, 2.9852

Protanopia

15.7120, 17.3409, 3.8855

Deuteranopia

17.3720, 17.0680, 2.6373



Tritanopia

24.9124, 17.0121, 10.9875

Trichromacy



Original Color

23.3508, 17.0769, 2.9852

Protanomaly

17.8510, 16.6759, 3.4403

Deuteranomaly

19.2371, 16.8154, 2.6837

Tritanomaly

24.0263, 16.8710, 6.8406

Monochromacy



Original Color

23.3508, 17.0769, 2.9852

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

16.1822, 15.0917, 9.2678

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.3508, 17.0769, 2.9852 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(184, 87, 25)` looks like.

```
.text, #text, p{  
    color:rgb(184, 87, 25)  
}
```

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(184, 87, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 87, 25) }
```

Border

The CSS property to change the border of an element to XYZ 23.3508, 17.0769, 2.9852 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(184, 87, 25) }
```


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

```
.border{ border-color:rgb(184, 87, 25) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 87, 25)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 87, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 87, 25);  
box-shadow:4px 4px 4px 4px rgb(184, 87,  
25) }
```

Background

The CSS property to change the background color of an element to XYZ 23.3508, 17.0769, 2.9852 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 87, 25) }
```

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

```
.background{ background-color: rgb(184, 87,  
25) }
```

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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