

Converting Colors

XYZ(23.2914, 16.7783, 2.6381)

Have a look what the booklet for
XYZ(23.2914, 16.7783, 2.6381)
contains.

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Color

**XYZ(23.3736, 16.8583,
2.6381)**

Conversions

Conversions Part 1

Format	Color
Hex	B95513
RGB	185, 85, 19
RGB Percent	73%, 33%, 7%
CMY	0.2745, 0.6666, 0.9255
CMYK	0.00, 0.54, 0.90, 0.27
HSL	24°, 81%, 40%
HSV	24°, 90%, 73%
XYZ	23.3736, 16.8583, 2.6381
YIQ	107.3760, 80.7860, 0.6740

Conversions

Conversions Part 2

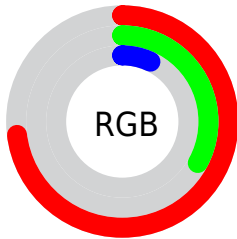
Format	Color
RYB	185, 129, 19
Decimal	12145939
CIELab	48.08, 37.04, 52.61
CIElCh	48, 64.345, 54.850
Yxy	16.8583, 0.5452, 0.3932
Android (android.graphics.Color)	4290336019 (0xFFB95513)
YUV	107.3760, -43.5694, 68.0762
Hunter-Lab	41.0589, 29.7618, 24.9317

Details

The XYZ color **23.3736, 16.8583, 2.6381** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **15.6216, 16.8335, 48.3244**, and the grayscale version is **14.1820, 14.9205, 16.2484**.

A 20% lighter version of the original color is **48.4408, 38.1204, 10.7661**, and **9.0585, 5.5620, 0.5961** is the 20% darker color. If you saturate the color by 10%, you get **22.4498, 15.1945, 1.7640**, and if you desaturate by 10%, it is **24.5459, 18.8441, 4.1354**.

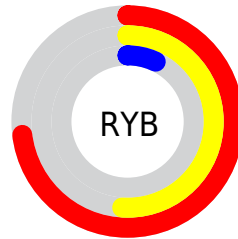
Distribution



Red (73%)

Green (33%)

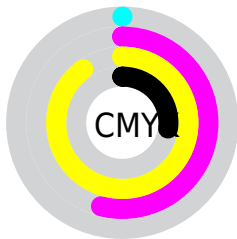
Blue (7%)



Red (73%)

Yellow (51%)

Blue (7%)

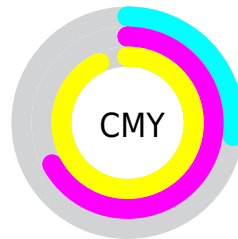


Cyan (0%)

Magenta (54%)

Yellow (90%)

Black (27%)



Cyan (27%)


Magenta (67%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.3736, 16.8583, 2.6381 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 23.3736, 16.8583, 2.6381 by changing the saturation by 10% instead.


 23.3736, 16.8583,
2.6381


 23.3736, 16.8583,
2.6381


262.1378,
234.3545, 131.6088


 14.9918, 10.1335,
0.9120


 48.4682, 38.0820,
10.7216


 8.8999, 5.4876,
0.0000


 65.9118, 53.3497,
17.9170


 4.7326, 2.5361,
0.0000

 87.1066, 72.2338,
27.7728

 2.1243, 0.8946,
0.0000

 112.4181, 95.1187,
40.7078

 0.7024, 0.0000,
0.0000

 142.2116,
122.3888, 57.1403

 0.0000, 0.0000,
0.0000

 176.8525,

154.4286, 77.4890

216.7061,
191.6223, 102.1723

23.3736, 16.8583,
2.6381

23.3736, 16.8583,
2.6381

22.4498, 15.1945,
1.7640

24.5459, 18.8441,
4.1354

22.4269, 15.1533,
1.7428

26.0097, 21.1766,
6.4582

27.7906, 23.8757,
9.7112

29.9104, 26.9588,
13.9834

32.3888, 30.4420,
19.3529

■ 35.2439, 34.3402,
25.8903

■ 38.4921, 38.6675,
33.6602

■ 42.1491, 43.4373,
42.7225

■ 46.2295, 48.6624,
53.1329

Harmonies

Analogous

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



28.4840, 16.8583, 7.9077



23.3736, 16.8583, 2.6381



17.0496, 16.8583, 1.3596

Triad

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



23.3736, 16.8583, 2.6381



7.2579, 16.8583, 15.6250



21.2051, 16.8583, 65.5454

Complementary

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



23.3736, 16.8583, 2.6381



15.6216, 16.8335, 48.3244

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.



15.0390, 16.8583, 72.4066



23.3736, 16.8583, 2.6381



7.8586, 16.8583, 35.4012

Square

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



23.3736, 16.8583, 2.6381



8.5004, 16.8583, 5.3910



10.4023, 16.8583, 59.0476



27.0343, 16.8583, 43.7021

Rectangle

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



23.3736, 16.8583, 2.6381



13.3212, 16.8583, 1.5325



10.4023, 16.8583, 59.0476



19.0681, 16.8583, 70.0809

Sweetspot

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



23.3740, 16.8592, 2.6384



64.3897, 63.2077, 49.3543



23.7140, 12.1695, 19.3064



13.4803, 13.0868, 9.6984



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.



23.3740, 16.8592, 2.6384



39.9537, 26.7133, 3.0504



33.6945, 37.5004, 6.0786



9.2898, 9.5825, 9.4669



15.3379, 10.4521, 1.2091



0.6017, 0.4905, 0.0630

Inverse Universe

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



15.6216, 16.8335, 48.3244



25.7160, 26.3381, 85.9330



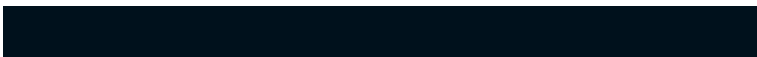
9.7304, 5.0511, 46.3606



8.9589, 9.5950, 11.4593



9.9387, 10.3371, 32.7245



0.4090, 0.4818, 1.1732

Previews

White Background



This preview shows how the XYZ color 23.3736, 16.8583, 2.6381 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 23.3736, 16.8583, 2.6381 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 23.3736, 16.8583, 2.6381

Background



This preview shows how black text looks on a background with the XYZ color 23.3736, 16.8583, 2.6381.



This preview shows how white text looks on a background with the XYZ color 23.3736, 16.8583,

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

23.3736, 16.8583, 2.6381

Protanopia

15.3818, 17.0077, 3.5090

Deuteranopia

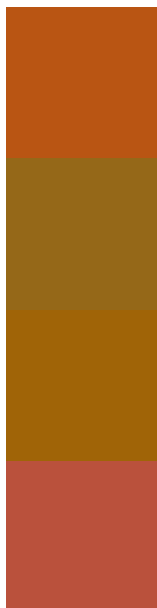
17.1457, 16.9570, 2.3694



Tritanopia

24.8897, 16.7969, 10.3178

Trichromacy



Original Color

23.3736, 16.8583, 2.6381

Protanomaly

17.5096, 16.3561, 3.0983

Deuteranomaly

19.0927, 16.6033, 2.3995

Tritanomaly

24.0077, 16.6502, 6.2234

Monochromacy



Original Color

23.3736, 16.8583, 2.6381

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

15.7235, 14.5826, 8.6426

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.3736, 16.8583, 2.6381 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(185, 85, 19)` looks like.

```
.text, #text, p{  
    color:rgb(185, 85, 19)  
}
```

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(185, 85, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 85, 19) }
```

Border

The CSS property to change the border of an element to XYZ 23.3736, 16.8583, 2.6381 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(185, 85, 19) }
```


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

```
.border{ border-color:rgb(185, 85, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 85, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 85, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 85, 19);  
box-shadow:4px 4px 4px 4px rgb(185, 85,  
19) }
```

Background

The CSS property to change the background color of an element to XYZ 23.3736, 16.8583, 2.6381 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 85, 19) }
```

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

```
.background{ background-color: rgb(185, 85,  
19) }
```

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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