

Converting Colors

XYZ(23.1316, 16.3459, 4.8381)

Have a look what the booklet for
XYZ(23.1316, 16.3459, 4.8381)
contains.

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Color

**XYZ(23.1001, 16.3236,
4.8390)**

Conversions

Conversions Part 1

Format	Color
Hex	B75231
RGB	183, 82, 49
RGB Percent	72%, 32%, 19%
CMY	0.2824, 0.6784, 0.8078
CMYK	0.00, 0.55, 0.73, 0.28
HSL	15°, 58%, 45%
HSV	15°, 73%, 72%
XYZ	23.1001, 16.3236, 4.8390
YIQ	108.4370, 70.7890, 11.1490

Conversions

Conversions Part 2

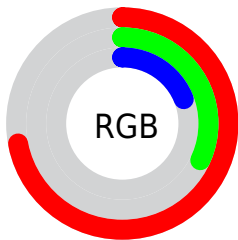
Format	Color
R_{YB}	183, 93, 49
Decimal	12014129
CIE _{Lab}	47.40, 38.77, 38.46
CIE _{LCh}	47, 54.611, 44.771
Yxy	16.3236, 0.5219, 0.3688
Android (android.graphics.Color)	4290204209 (0xFFB75231)
YUV	108.4370, -29.3024, 65.3918
Hunter-Lab	40.4025, 31.3530, 21.1806

Details

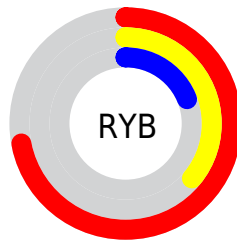
The XYZ color **23.1001, 16.3236, 4.8390** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **20.7193, 25.8828, 48.7033**, and the grayscale version is **14.4433, 15.1954, 16.5478**.

A 20% lighter version of the original color is **47.9910, 37.1464, 15.9498**, and **8.8131, 5.2694, 0.6100** is the 20% darker color. If you saturate the color by 10%, you get **21.8518, 14.3247, 2.8890**, and if you desaturate by 10%, it is **24.7150, 18.8051, 7.6848**.

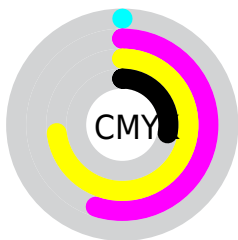
Distribution



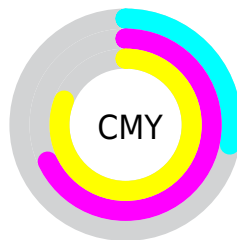
- Red (72%)
- Green (32%)
- Blue (19%)



- Red (72%)
- Yellow (36%)
- Blue (19%)



- Cyan (0%)
- Magenta (55%)
- Yellow (73%)
- Black (28%)





- Cyan (28%)
- Magenta (68%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.1001, 16.3236, 4.8390 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 23.1001, 16.3236, 4.8390 by changing the saturation by 10% instead.


 23.1001, 16.3236,
4.8390

 23.1001, 16.3236,
4.8390


260.7645,
231.2437, 157.1385


 14.7885, 9.7534,
2.0960


 48.0231, 37.1591,
15.9027


 8.7565, 5.2358,
0.6134


 65.3652, 52.1932,
25.0605


 4.6385, 2.3863,
0.0000

 86.4483, 70.8174,
37.1936

 2.0693, 0.8188,
0.0000

 111.6376, 93.4161,
52.7206

 0.6725, 0.0000,
0.0000

 141.2985,
120.3737, 72.0601

 0.0000, 0.0000,
0.0000

 175.7964,

152.0745, 95.6305

215.4966,
188.9031, 123.8505

■ 23.1001, 16.3236,
4.8390

■ 23.1001, 16.3236,
4.8390

■ 21.8518, 14.3247,
2.8890

■ 24.7150, 18.8051,
7.6848

■ 20.9360, 12.7725,
1.7227

■ 26.7239, 21.7965,
11.5187

■ 20.4695, 11.9497,
1.2277

■ 29.1526, 25.3260,
16.4223

■ 32.0244, 29.4188,
22.4682

■ 35.3605, 34.0986,
29.7230

■ 39.1811, 39.3877,
38.2479

■ 43.5050, 45.3071,
48.0999

■ 48.3498, 51.8770,
59.3326

■ 53.7324, 59.1164,
71.9967

Harmonies

Analogous

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



26.3599, 16.3236, 11.8099



23.1001, 16.3236, 4.8390



18.0890, 16.3236, 2.4693

Triad

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



23.1001, 16.3236, 4.8390



8.1592, 16.3236, 11.6541



18.0096, 16.3236, 57.9827

Complementary

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



23.1001, 16.3236, 4.8390



20.7193, 25.8828, 48.7033

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.



13.1977, 16.3236, 57.8616



23.1001, 16.3236, 4.8390



8.1467, 16.3236, 25.4678

Square

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



23.1001, 16.3236, 4.8390



9.8427, 16.3236, 4.7761



9.8039, 16.3236, 43.9121



23.0316, 16.3236, 44.1877

Rectangle

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



23.1001, 16.3236, 4.8390



14.7542, 16.3236, 2.2499



9.8039, 16.3236, 43.9121



16.3017, 16.3236, 59.7335

Sweetspot

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



23.1005, 16.3245, 4.8393



63.8844, 61.8416, 54.4558



26.2723, 14.5222, 31.0097



13.7313, 13.1308, 11.1936



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.



23.1005, 16.3245, 4.8393



38.0488, 23.8334, 3.7225



30.5579, 31.2394, 7.3251



9.1795, 9.3620, 9.4301



14.3266, 8.4295, 0.8720



0.5552, 0.3976, 0.0475

Inverse Universe

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



20.7193, 25.8828, 48.7033



33.3052, 41.3879, 86.4690



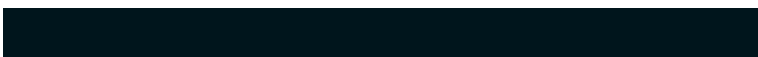
13.0415, 10.5271, 46.1440



9.0743, 9.8258, 11.4977



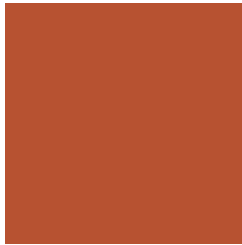
12.3516, 15.1629, 33.5288



0.4810, 0.6256, 1.1972

Previews

White Background



This preview shows how the XYZ color 23.1001, 16.3236, 4.8390 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 23.1001, 16.3236, 4.8390 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 23.1001, 16.3236, 4.8390

Background



This preview shows how black text looks on a background with the XYZ color 23.1001, 16.3236, 4.8390.



This preview shows how white text looks on a background with the XYZ color 23.1001, 16.3236,

4.8390.

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

23.1001, 16.3236, 4.8390

Protanopia

15.1520, 16.4860, 6.5212

Deuteranopia

16.6782, 16.3525, 4.5628



Tritanopia

24.2933, 16.3876, 10.0663

Trichromacy



Original Color

23.1001, 16.3236, 4.8390

Protanomaly

17.2950, 15.8896, 5.7699

Deuteranomaly

18.5516, 15.9927, 4.5918

Tritanomaly

23.7005, 16.2372, 7.8462

Monochromacy



Original Color

23.1001, 16.3236, 4.8390

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

16.1738, 14.7627, 11.0139

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.1001, 16.3236, 4.8390 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(183, 82, 49)` looks like.

```
.text, #text, p{  
    color:rgb(183, 82, 49)  
}
```

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(183, 82, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 82, 49) }
```

Border

The CSS property to change the border of an element to XYZ 23.1001, 16.3236, 4.8390 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(183, 82, 49) }
```


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

```
.border{ border-color:rgb(183, 82, 49) }
```

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

Here you see how a box with a 4 pixel rgb(183, 82, 49) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 82, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 82, 49);  
box-shadow:4px 4px 4px 4px rgb(183, 82,  
49) }
```

Background

The CSS property to change the background color of an element to XYZ 23.1001, 16.3236, 4.8390 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 82, 49) }
```

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

```
.background{ background-color: rgb(183, 82,  
49) }
```

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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