

Converting Colors

XYZ(23.3637, 18.3027, 4.7118)

Have a look what the booklet for
XYZ(23.3637, 18.3027, 4.7118)
contains.

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Color

**XYZ(23.3197, 18.3149,
4.6889)**

Conversions

Conversions Part 1

Format	Color
Hex	B3612C
RGB	179, 97, 44
RGB Percent	70%, 38%, 17%
CMY	0.2980, 0.6196, 0.8274
CMYK	0.00, 0.46, 0.75, 0.30
HSL	24°, 61%, 44%
HSV	24°, 75%, 70%
XYZ	23.3197, 18.3149, 4.6889
YIQ	115.4760, 65.8850, 0.9010

Conversions

Conversions Part 2

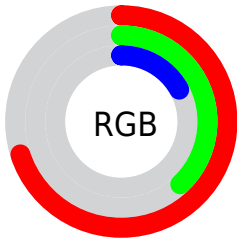
Format	Color
RYB	179, 131, 44
Decimal	11755820
CIELab	49.88, 29.07, 43.48
CIELCh	50, 52.298, 56.234
Yxy	18.3149, 0.5034, 0.3954
Android (android.graphics.Color)	4289945900 (0xFFB3612C)
YUV	115.4760, -35.2377, 55.7105
Hunter-Lab	42.7959, 22.3727, 23.4611

Details

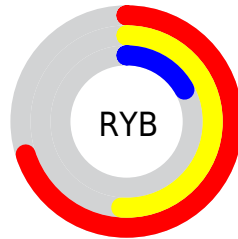
The XYZ color **23.3197, 18.3149, 4.6889** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **16.6357, 18.7107, 45.3823**, and the grayscale version is **16.5308, 17.3917, 18.9396**.

A 20% lighter version of the original color is **48.3198, 40.6359, 15.6527**, and **8.9835, 6.2616, 0.7351** is the 20% darker color. If you saturate the color by 10%, you get **22.1163, 16.3356, 2.9707**, and if you desaturate by 10%, it is **24.8067, 20.6296, 7.2177**.

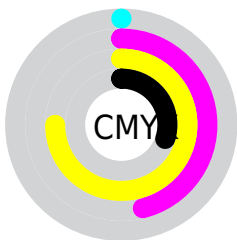
Distribution



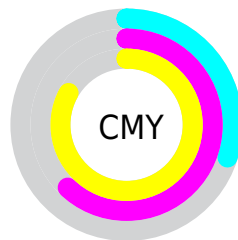
- Red (70%)
- Green (38%)
- Blue (17%)



- Red (70%)
- Yellow (51%)
- Blue (17%)



- Cyan (0%)
- Magenta (46%)
- Yellow (75%)
- Black (30%)





- Cyan (30%)
- Magenta (62%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.3197, 18.3149, 4.6889 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 23.3197, 18.3149, 4.6889 by changing the saturation by 10% instead.


 23.3197, 18.3149,
4.6889


 23.3197, 18.3149,
4.6889


261.8676,
242.6400, 155.5997


 14.9517, 11.1763,
2.0104


 48.3805, 40.5732,
15.5698


 8.8716, 6.1855,
0.5617


 65.8041, 56.4617,
24.6092


 4.7140, 2.9582,
0.0000

 86.9770, 76.0355,
36.6060

 2.1135, 1.1100,
0.0000

 112.2645, 99.6792,
51.9787

 0.6965, 0.0000,
0.0000

 142.0319,
127.7771, 71.1459

 0.0000, 0.0000,
0.0000

 176.6447,

160.7137, 94.5261

216.4681,
198.8731, 122.5379

■ 23.3197, 18.3149,
4.6889

■ 23.3197, 18.3149,
4.6889

■ 22.1163, 16.3356,
2.9707

■ 24.8067, 20.6296,
7.2177

■ 21.1691, 14.6693,
1.9512

■ 26.5979, 23.2939,
10.6453

■ 20.7980, 13.9991,
1.6059

■ 28.7131, 26.3245,
15.0492

■ 31.1698, 29.7359,
20.4984

■ 33.9841, 33.5419,
27.0553

■ 37.1709, 37.7553,
34.7776

■ 40.7445, 42.3885,
43.7188

■ 44.7180, 47.4531,
53.9291

■ 49.1041, 52.9606,
65.4559

Harmonies

Analogous

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



27.5395, 18.3149, 10.0752



23.3197, 18.3149, 4.6889



18.0471, 18.3149, 3.1495

Triad

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



23.3197, 18.3149, 4.6889



9.4658, 18.3149, 18.1868



22.0152, 18.3149, 56.2621

Complementary

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



23.3197, 18.3149, 4.6889



16.6357, 18.7107, 45.3823

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.



16.7837, 18.3149, 61.9932



23.3197, 18.3149, 4.6889



10.1268, 18.3149, 34.7655

Square

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



23.3197, 18.3149, 4.6889



10.5735, 18.3149, 8.2153



12.5903, 18.3149, 52.7266



26.6907, 18.3149, 39.5049

Rectangle

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



23.3197, 18.3149, 4.6889



14.8548, 18.3149, 3.4629



12.5903, 18.3149, 52.7266



20.2377, 18.3149, 59.8064

Sweetspot

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



23.3201, 18.3159, 4.6892



61.9687, 61.5449, 51.0908



23.3381, 12.9239, 21.4288



13.3019, 13.0645, 10.3021



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



23.3201, 18.3159, 4.6892



38.3588, 27.0771, 3.9085



32.1865, 36.0486, 7.6447



8.7609, 9.0344, 8.9346



14.7565, 10.0116, 1.1547



0.5220, 0.4304, 0.0556

Inverse Universe

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



16.6357, 18.7107, 45.3823



25.6491, 27.5266, 80.3425



10.7783, 6.9959, 43.4298



8.4570, 9.0602, 10.8094



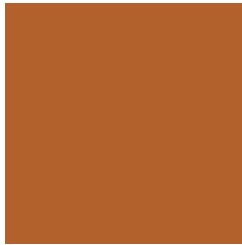
9.6578, 10.1160, 31.5805



0.3587, 0.4280, 1.0119

Previews

White Background



This preview shows how the XYZ color 23.3197, 18.3149, 4.6889 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 23.3197, 18.3149, 4.6889 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 23.3197, 18.3149, 4.6889

Background



This preview shows how black text looks on a background with the XYZ color 23.3197, 18.3149, 4.6889.



This preview shows how white text looks on a background with the XYZ color 23.3197, 18.3149,

4.6889.

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

23.3197, 18.3149, 4.6889

Protanopia

16.8454, 18.4105, 5.6833

Deuteranopia

18.6658, 18.3463, 4.4769



Tritanopia

25.2371, 18.3091, 13.7591

Trichromacy



Original Color

23.3197, 18.3149, 4.6889

Protanomaly

18.7956, 18.0663, 5.2928

Deuteranomaly

20.1551, 18.1491, 4.5387

Tritanomaly

24.3456, 18.2025, 9.4380

Monochromacy



Original Color

23.3197, 18.3149, 4.6889

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

17.6470, 16.8497, 11.7734

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.3197, 18.3149, 4.6889 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(179, 97, 44)` looks like.

```
.text, #text, p{  
    color:rgb(179, 97, 44)  
}
```

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(179, 97, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 97, 44) }
```

Border

The CSS property to change the border of an element to XYZ 23.3197, 18.3149, 4.6889 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(179, 97, 44) }
```


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

```
.border{ border-color:rgb(179, 97, 44) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 97, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 97, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 97, 44);  
box-shadow:4px 4px 4px 4px rgb(179, 97,  
44) }
```

Background

The CSS property to change the background color of an element to XYZ 23.3197, 18.3149, 4.6889 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 97, 44) }
```

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

```
.background{ background-color: rgb(179, 97,  
44) }
```

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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