

Converting Colors

XYZ(23.2604, 18.2151, 2.2899)

Have a look what the booklet for
XYZ(23.2604, 18.2151, 2.2899)
contains.

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Color

**XYZ(23.2389, 18.1895,
2.2861)**

Conversions

Conversions Part 1

Format	Color
Hex	B56000
RGB	181, 96, 0
RGB Percent	71%, 38%, 0%
CMY	0.2902, 0.6235, 1.0000
CMYK	0.00, 0.47, 1.00, 0.29
HSL	32°, 100%, 35%
HSV	32°, 100%, 71%
XYZ	23.2389, 18.1895, 2.2861
YIQ	110.4710, 81.4760, -11.8360

Conversions

Conversions Part 2

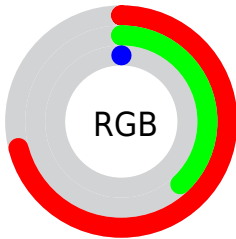
Format	Color
RYB	160, 181, 0
Decimal	11886592
CIELab	49.73, 29.35, 58.14
CIElCh	50, 65.134, 63.213
Yxy	18.1895, 0.5316, 0.4161
Android (android.graphics.Color)	4290076672 (0xFFB56000)
YUV	110.4710, -54.4622, 61.8539
Hunter-Lab	42.6492, 22.6260, 26.6763

Details

The XYZ color **23.2389, 18.1895, 2.2861** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **11.5888, 9.8330, 45.0028**, and the grayscale version is **15.0929, 15.8789, 17.2922**.

A 20% lighter version of the original color is **48.2654, 40.2699, 9.7864**, and **8.9421, 6.1789, 0.7213** is the 20% darker color. If you saturate the color by 10%, you get **23.2390, 18.1900, 2.2862**, and if you desaturate by 10%, it is **24.1673, 19.8704, 3.1384**.

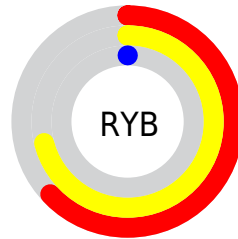
Distribution



Red (71%)

Green (38%)

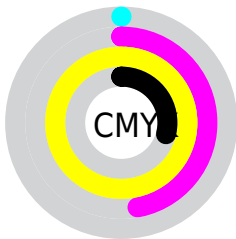
Blue (0%)



Red (63%)

Yellow (71%)

Blue (0%)

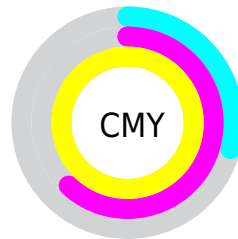


Cyan (0%)

Magenta (47%)

Yellow (100%)

Black (29%)



Cyan (29%)


Magenta (62%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.2389, 18.1895, 2.2861 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 23.2389, 18.1895, 2.2861 by changing the saturation by 10% instead.


 23.2389, 18.1895,
2.2861


 23.2389, 18.1895,
2.2861


261.4621,
241.9370, 126.6721


 14.8917, 11.0861,
0.7234


 48.2491, 40.3600,
9.8092


 8.8292, 6.1248,
0.0000

 65.6427, 56.1958,
16.6262


 4.6862, 2.9211,
0.0000

 86.7826, 75.7113,
26.0381

 2.0972, 1.0907,
0.0000

 112.0340, 99.2909,
38.4637


 0.6877, 0.0000,
0.0000


 141.7623,
127.3188, 54.3213


 0.0000, 0.0000,
0.0000


 176.3328,


160.1795, 74.0296


 216.1110,
198.2575, 98.0070


 23.2389, 18.1895,
2.2861


 23.2389, 18.1895,
2.2861


 23.2390, 18.1900,
2.2862

 24.1673, 19.8704,
3.1384

 25.2831, 21.7637,
4.5538

 26.6278, 23.8906,
6.7356

 28.2220, 26.2632,
9.7822

 30.0838, 28.8923,
13.7771

■ 32.2292, 31.7878,
18.7937

■ 34.6726, 34.9587,
24.8981

■ 37.4275, 38.4138,
32.1510

■ 40.5064, 42.1611,
40.6084

Harmonies

Analogous

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



29.3074, 18.1895, 6.3703



23.2389, 18.1895, 2.2861



16.6289, 18.1895, 1.5324

Triad

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



23.2389, 18.1895, 2.2861



7.9066, 18.1895, 21.7814



24.6774, 18.1895, 64.3206

Complementary

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



23.2389, 18.1895, 2.2861



11.5888, 9.8330, 45.0028

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.



17.9655, 18.1895, 77.2142



23.2389, 18.1895, 2.2861



9.1079, 18.1895, 45.0190

Square

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



23.2389, 18.1895, 2.2861



8.6789, 18.1895, 8.0567



12.4520, 18.1895, 68.6097



30.2678, 18.1895, 39.5280

Rectangle

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



23.2389, 18.1895, 2.2861



13.0016, 18.1895, 2.0792



12.4520, 18.1895, 68.6097



22.4274, 18.1895, 70.6918

Sweetspot

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



23.2393, 18.1905, 2.2864



61.8649, 62.3127, 43.9931



20.7961, 10.5199, 10.0556



12.9672, 12.9482, 8.4854



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.



23.2393, 18.1905, 2.2864



41.3912, 32.1184, 4.0179



34.8798, 42.5103, 6.3671



8.8570, 9.2265, 8.9666



16.0906, 12.6799, 1.5994



0.5641, 0.5145, 0.0696

Inverse Universe

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



11.5888, 9.8330, 45.0028



20.5315, 17.1628, 80.5252



8.3783, 3.3558, 43.9218



8.3600, 8.8662, 10.7771



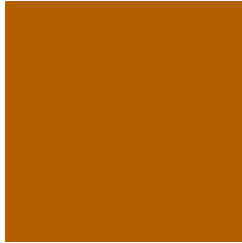
8.0573, 6.9149, 31.0470



0.3121, 0.3347, 0.9964

Previews

White Background



This preview shows how the XYZ color 23.2389, 18.1895, 2.2861 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 23.2389, 18.1895, 2.2861 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 23.2389, 18.1895, 2.2861

Background



This preview shows how black text looks on a background with the XYZ color 23.2389, 18.1895, 2.2861.



This preview shows how white text looks on a background with the XYZ color 23.2389, 18.1895,

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

23.2389, 18.1895, 2.2861

Protanopia

16.5146, 18.2965, 3.1131

Deuteranopia

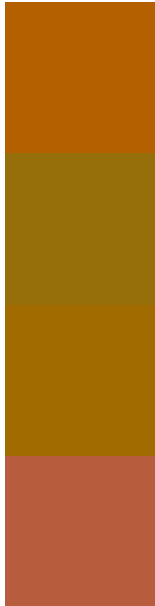
18.4828, 18.2943, 2.5570



Tritanopia

25.4509, 18.1796, 13.2339

Trichromacy



Original Color

23.2389, 18.1895, 2.2861

Protanomaly

18.5017, 17.9701, 2.7806

Deuteranomaly

19.9556, 18.0925, 2.4404

Tritanomaly

24.1979, 18.0585, 6.6251

Monochromacy



Original Color

23.2389, 18.1895, 2.2861

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

16.3104, 15.7796, 7.9805

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.2389, 18.1895, 2.2861 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(181, 96, 0)` looks like.

```
.text, #text, p{  
    color:rgb(181, 96, 0)  
}
```

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(181, 96, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 96, 0) }
```

Border

The CSS property to change the border of an element to XYZ 23.2389, 18.1895, 2.2861 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(181, 96, 0) }
```


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

```
.border{ border-color:rgb(181, 96, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 96, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 96, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 96, 0);  
box-shadow:4px 4px 4px 4px rgb(181, 96, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 23.2389, 18.1895, 2.2861 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 96, 0) }
```

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

```
.background{ background-color: rgb(181, 96,  
0) }
```

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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