

Converting Colors

XYZ(22.9780, 15.9894, 0.0000)

Have a look what the booklet for
XYZ(22.9780, 15.9894, 0.0000)
contains.

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Color

**XYZ(23.2895, 16.1568,
1.8911)**

Conversions

Conversions Part 1

Format	Color
Hex	BB4F00
RGB	187, 79, 0
RGB Percent	73%, 31%, 0%
CMY	0.2667, 0.6902, 1.0000
CMYK	0.00, 0.58, 1.00, 0.27
HSL	25°, 100%, 37%
HSV	25°, 100%, 73%
XYZ	23.2895, 16.1568, 1.8911
YIQ	102.2860, 89.7270, -1.6730

Conversions

Conversions Part 2

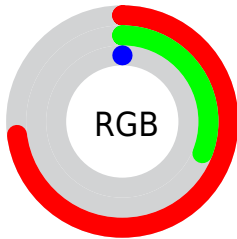
Format	Color
RYB	187, 137, 0
Decimal	12275456
CIELab	47.18, 40.55, 57.14
CIELCh	47, 70.065, 54.634
Yxy	16.1568, 0.5634, 0.3909
Android (android.graphics.Color)	4290465536 (0xFFBB4F00)
YUV	102.2860, -50.4270, 74.2942
Hunter-Lab	40.1955, 33.0817, 25.3474

Details

The XYZ color **23.2895, 16.1568, 1.8911** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **14.3318, 14.3122, 49.0204**, and the grayscale version is **12.8166, 13.4841, 14.6841**.

A 20% lighter version of the original color is **48.3301, 36.8724, 8.7075**, and **8.9961, 5.2195, 0.5333** is the 20% darker color. If you saturate the color by 10%, you get **23.2896, 16.1573, 1.8912**, and if you desaturate by 10%, it is **24.2482, 17.8905, 2.7781**.

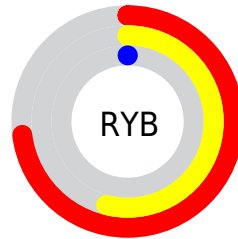
Distribution



Red (73%)

Green (31%)

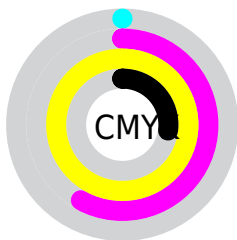
Blue (0%)



Red (73%)

Yellow (54%)

Blue (0%)

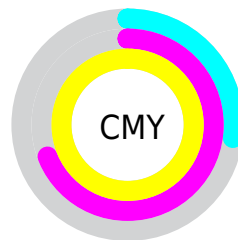


Cyan (0%)

Magenta (58%)

Yellow (100%)

Black (27%)



Cyan (27%)

Magenta (69%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.2895, 16.1568, 1.8911 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 23.2895, 16.1568, 1.8911 by changing the saturation by 10% instead.

■ 23.2895, 16.1568,
1.8911

■ 23.2895, 16.1568,
1.8911

■ 261.7161,
230.2652, 120.6622

■ 14.9293, 9.6352,
0.4871

■ 48.3314, 36.8702,
8.7409

■ 8.8558, 5.1577,
0.0000

■ 65.7438, 51.8308,
15.0981

■ 4.7036, 2.3401,
0.0000

■ 86.9044, 70.3731,
23.9683

■ 2.1074, 0.7948,
0.0000

■ 112.1784, 92.8816,
35.7699


■ 0.6932, 0.0000,
0.0000


■ 141.9312,
119.7407, 50.9216


■ 0.0000, 0.0000,
0.0000


■ 176.5282,


151.3347, 69.8419


 216.3347,
188.0481, 92.9492


 23.2895, 16.1568,
1.8911


 23.2895, 16.1568,
1.8911


 23.2896, 16.1573,
1.8912

 24.2482, 17.8905,
2.7781

 25.4492, 19.9319,
4.2896

 26.9385, 22.3088,
6.6410

 28.7414, 25.0395,
9.9398

 30.8796, 28.1402,
14.2774

■ 33.3729, 31.6263,
19.7343

■ 36.2390, 35.5117,
26.3830

■ 39.4944, 39.8098,
34.2896

■ 43.1545, 44.5332,
43.5155

Harmonies

Analogous

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



28.8471, 16.1568, 6.8972



23.2895, 16.1568, 1.8911



16.4920, 16.1568, 0.8100

Triad

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



23.2895, 16.1568, 1.8911



6.3203, 16.1568, 14.6044



20.8458, 16.1568, 70.0061

Complementary

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



23.2895, 16.1568, 1.8911



14.3318, 14.3122, 49.0204

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.



14.2745, 16.1568, 77.6533



23.2895, 16.1568, 1.8911



6.9056, 16.1568, 35.8737

Square

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



23.2895, 16.1568, 1.8911



7.5769, 16.1568, 4.3510



9.4669, 16.1568, 62.3324



27.1921, 16.1568, 45.4628

Rectangle

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



23.2895, 16.1568, 1.8911



12.5525, 16.1568, 0.9474



9.4669, 16.1568, 62.3324



18.5499, 16.1568, 75.1186

Sweetspot

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



23.2898, 16.1577, 1.8914



64.6384, 63.2458, 46.6206



23.2582, 11.6707, 15.5187



13.7403, 13.2623, 9.1067



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



23.2898, 16.1577, 1.8914



41.4894, 28.4927, 3.3129



35.1350, 39.8480, 5.8398



9.8525, 10.1811, 10.0225



16.1152, 11.2693, 1.3258



0.6961, 0.5711, 0.0736

Inverse Universe

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



14.3318, 14.3122, 49.0204



25.4284, 25.1535, 87.7163



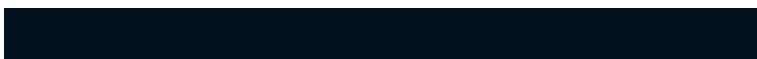
9.1488, 3.9463, 47.2928



9.4617, 10.1156, 12.1260



9.9474, 10.0065, 33.8001



0.4531, 0.5189, 1.3451

Previews

White Background



This preview shows how the XYZ color 23.2895, 16.1568, 1.8911 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 23.2895, 16.1568, 1.8911 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 23.2895, 16.1568, 1.8911

Background



This preview shows how black text looks on a background with the XYZ color 23.2895, 16.1568, 1.8911.



This preview shows how white text looks on a background with the XYZ color 23.2895, 16.1568,

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

23.2895, 16.1568, 1.8911

Protanopia

14.7667, 16.3660, 2.9529

Deuteranopia

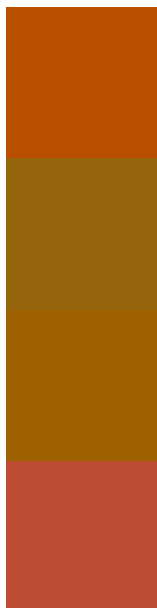
16.4130, 16.2662, 2.2746



Tritanopia

24.8102, 16.2664, 9.0398

Trichromacy



Original Color

23.2895, 16.1568, 1.8911

Protanomaly

17.1085, 15.7211, 2.4494

Deuteranomaly

18.3752, 15.8185, 2.0848

Tritanomaly

23.8992, 16.0905, 4.8638

Monochromacy



Original Color

23.2895, 16.1568, 1.8911

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

14.6297, 13.3736, 6.8113

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.2895, 16.1568, 1.8911 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(187, 79, 0)` looks like.

```
.text, #text, p{  
    color:rgb(187, 79, 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(187, 79, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 79, 0) }
```

Border

The CSS property to change the border of an element to XYZ 23.2895, 16.1568, 1.8911 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(187, 79, 0) }
```


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

```
.border{ border-color:rgb(187, 79, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 79, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 79, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 79, 0);  
box-shadow:4px 4px 4px 4px rgb(187, 79, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 23.2895, 16.1568, 1.8911 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 79, 0) }
```

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

```
.background{ background-color: rgb(187, 79,  
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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