

Converting Colors

XYZ(23.8898, 13.5981, 1.3656)

Have a look what the booklet for
XYZ(23.8898, 13.5981, 1.3656)
contains.

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Color

**XYZ(23.8898, 13.5981,
1.3656)**

Conversions

Conversions Part 1

Format	Color
Hex	C52B00
RGB	197, 43, 0
RGB Percent	77%, 17%, 0%
CMY	0.2275, 0.8313, 1.0000
CMYK	0.00, 0.78, 1.00, 0.23
HSL	13°, 100%, 39%
HSV	13°, 100%, 77%
XYZ	23.8898, 13.5981, 1.3656
YIQ	84.1440, 105.5870, 19.2750

Conversions

Conversions Part 2

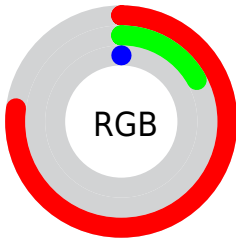
Format	Color
R _Y B	197, 55, 0
Decimal	12921600
CIE Lab	43.65, 58.43, 56.38
CIE LCh	44, 81.194, 43.977
Yxy	13.5981, 0.6149, 0.3500
Android (android.graphics.Color)	4291111680 (0xFFC52B00)
YUV	84.1440, -41.4830, 98.9747
Hunter-Lab	36.8756, 51.1086, 23.6173

Details

The XYZ color **23.8898, 13.5981, 1.3656** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **21.6316, 27.1385, 56.9209**, and the grayscale version is **8.5257, 8.9697, 9.7680**.

A 20% lighter version of the original color is **46.6810, 31.0386, 7.1451**, and **9.6729, 4.9865, 0.4527** is the 20% darker color. If you saturate the color by 10%, you get **23.8900, 13.5988, 1.3657**, and if you desaturate by 10%, it is **24.6833, 14.9875, 2.2400**.

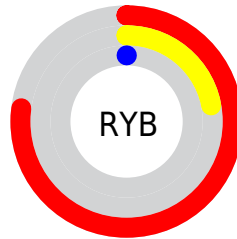
Distribution



Red (77%)

Green (17%)

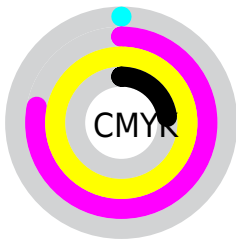
Blue (0%)



Red (77%)

Yellow (22%)

Blue (0%)

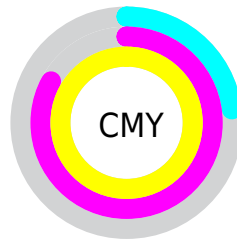


Cyan (0%)

Magenta (78%)

Yellow (100%)

Black (23%)



Cyan (23%)


Magenta (83%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 23.8898, 13.5981, 1.3656 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 23.8898, 13.5981, 1.3656 by changing the saturation by 10% instead.


 23.8898, 13.5981,
1.3656


 23.8898, 13.5981,
1.3656


 264.7137,
214.7160, 111.5837


 15.3762, 7.8417,
0.1147


 49.3063, 32.3742,
7.2198


 9.1719, 3.9938,
0.0000


 66.9399, 46.1627,
12.8853

 4.9115, 1.6701,
0.0000

 88.3442, 63.3973,
20.9345

 2.2296, 0.4042,
0.0000

 113.8845, 84.4624,
31.7858

 0.7583, 0.0000,
0.0000


 143.9263,
109.7424, 45.8579


 0.0000, 0.0000,
0.0000


 178.8349,


139.6218, 63.5692


 218.9755,
174.4849, 85.3383


 23.8898, 13.5981,
1.3656


 23.8898, 13.5981,
1.3656


 23.8900, 13.5988,
1.3657

 24.6833, 14.9875,
2.2400

 25.8348, 16.8917,
3.8534

 27.4077, 19.3668,
6.4453

 29.4416, 22.4555,
10.1421

 31.9715, 26.1963,
15.0514

■ 35.0285, 30.6245,
21.2676

■ 38.6413, 35.7728,
28.8759

■ 42.8363, 41.6717,
37.9542

■ 47.6383, 48.3499,
48.5746

Harmonies

Analogous

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



28.8193, 13.5981, 7.8487



23.8898, 13.5981, 1.3656



16.6074, 13.5981, 0.0000

Triad

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



23.8898, 13.5981, 1.3656



4.3666, 13.5981, 7.0828



16.1133, 13.5981, 81.5608

Complementary

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



23.8898, 13.5981, 1.3656



21.6316, 27.1385, 56.9209

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.



9.8309, 13.5981, 80.5541



23.8898, 13.5981, 1.3656



4.3119, 13.5981, 24.9934

Square

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



23.8898, 13.5981, 1.3656



6.1505, 13.5981, 1.1927



5.9640, 13.5981, 54.9422



23.4272, 13.5981, 57.0918

Rectangle

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



23.8898, 13.5981, 1.3656



12.0938, 13.5981, 0.0000



5.9640, 13.5981, 54.9422



13.7925, 13.5981, 84.5720

Sweetspot

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



23.8901, 13.5989, 1.3658



68.8867, 63.6155, 51.0315



28.8849, 14.2139, 31.9314



14.1293, 12.7425, 9.6179



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



23.8901, 13.5989, 1.3658



42.6385, 24.0569, 2.3962



32.5777, 30.9741, 4.2617



10.8185, 11.0062, 11.1170



15.7650, 9.0473, 0.9154



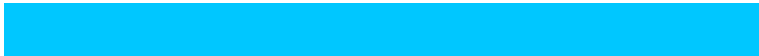
0.8017, 0.5389, 0.0618

Inverse Universe

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



21.6316, 27.1385, 56.9209



38.5483, 48.2166, 101.8828



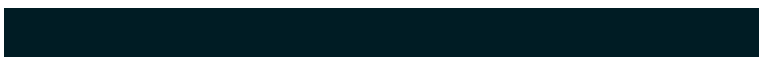
11.4834, 6.8420, 53.5381



10.7427, 11.6594, 13.6018



14.2917, 17.9774, 37.4611



0.7269, 0.9516, 1.7905

Previews

White Background



This preview shows how the XYZ color 23.8898, 13.5981, 1.3656 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



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 23.8898, 13.5981, 1.3656

Background



This preview shows how black text looks on a background with the XYZ color 23.8898, 13.5981, 1.3656.



This preview shows how white text looks on a background with the XYZ color 23.8898, 13.5981,

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

23.8898, 13.5981, 1.3656

Protanopia

12.5423, 13.9469, 2.8416

Deuteranopia

13.8219, 13.7490, 1.9253



Tritanopia

24.1678, 13.5411, 3.3474

Trichromacy



Original Color

23.8898, 13.5981, 1.3656

Protanomaly

14.9576, 12.1801, 2.0146

Deuteranomaly

16.3136, 12.5605, 1.5646

Tritanomaly

23.9944, 13.5264, 2.2659

Monochromacy



Original Color

23.8898, 13.5981, 1.3656

Achromatopsia

8.4267, 8.8656, 9.6546

Achromatomaly

11.2282, 8.8733, 4.4891

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.8898, 13.5981, 1.3656 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(197, 43, 0)` looks like.

```
.text, #text, p{  
    color:rgb(197, 43, 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(197, 43, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 43, 0) }
```

Border

The CSS property to change the border of an element to XYZ 23.8898, 13.5981, 1.3656 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(197, 43, 0) }
```


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

```
.border{ border-color:rgb(197, 43, 0) }
```

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

Here you see how a box with a 4 pixel rgb(197, 43, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 43, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 43, 0);  
box-shadow:4px 4px 4px 4px rgb(197, 43, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 23.8898, 13.5981, 1.3656 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 43, 0) }
```

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

```
.background{ background-color: rgb(197, 43,  
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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