

Converting Colors

XYZ(23.5122, 13.0951, 1.2884)

Have a look what the booklet for
XYZ(23.5122, 13.0951, 1.2884)
contains.

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Color

**XYZ(23.4265, 13.0589,
1.2859)**

Conversions

Conversions Part 1

Format	Color
Hex	C42500
RGB	196, 37, 0
RGB Percent	77%, 15%, 0%
CMY	0.2314, 0.8548, 1.0000
CMYK	0.00, 0.81, 1.00, 0.23
HSL	11°, 100%, 38%
HSV	11°, 100%, 77%
XYZ	23.4265, 13.0589, 1.2859
YIQ	80.3230, 106.6410, 22.2010

Conversions

Conversions Part 2

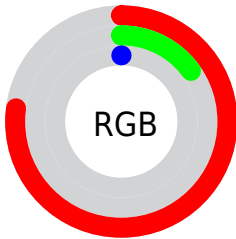
Format	Color
R_{YB}	196, 46, 0
Decimal	12854528
CIE _{Lab}	42.85, 59.82, 55.92
CIE _{LCh}	43, 81.889, 43.072
Yxy	13.0589, 0.6202, 0.3457
Android (android.graphics.Color)	4291044608 (0xFFC42500)
YUV	80.3230, -39.5992, 101.4487
Hunter-Lab	36.1371, 52.4758, 23.1862

Details

The XYZ color **23.4265, 13.0589, 1.2859** 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 **22.3594, 28.7768, 56.6001**, and the grayscale version is **7.7498, 8.1534, 8.8790**.

A 20% lighter version of the original color is **46.2735, 30.2617, 6.8922**, and **9.5157, 4.9055, 0.4453** is the 20% darker color. If you saturate the color by 10%, you get **23.4267, 13.0597, 1.2860**, and if you desaturate by 10%, it is **24.1566, 14.3231, 2.1348**.

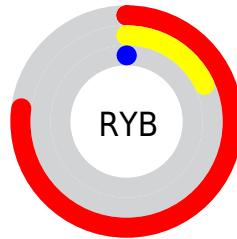
Distribution



Red (77%)

Green (15%)

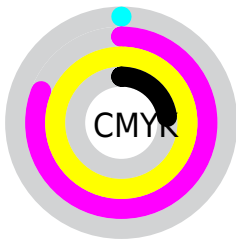
Blue (0%)



Red (77%)

Yellow (18%)

Blue (0%)

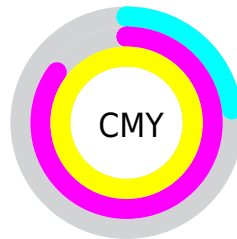


Cyan (0%)

Magenta (81%)

Yellow (100%)

Black (23%)



Cyan (23%)


Magenta (85%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 23.4265, 13.0589, 1.2859 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 23.4265, 13.0589, 1.2859 by changing the saturation by 10% instead.


 23.4265, 13.0589,
1.2859


 23.4265, 13.0589,
1.2859


 262.4027,
211.2948, 110.0598

 15.0312, 7.4691,
0.0502


 48.5542, 31.4096,
6.9759


 8.9277, 3.7572,
0.0000


 66.0173, 44.9392,
12.5257


 4.7508, 1.5387,
0.0000

 87.2337, 61.8843,
20.4368

 2.1350, 0.3157,
0.0000

 112.5688, 82.6292,
31.1276

 0.7082, 0.0000,
0.0000


 142.3879,
107.5583, 45.0168


 0.0000, 0.0000,
0.0000


 177.0563,


137.0560, 62.5229


 216.9395,
171.5067, 84.0643

 23.4265, 13.0589,
1.2859


 23.4265, 13.0589,
1.2859


 23.4267, 13.0597,
1.2860

 24.1566, 14.3231,
2.1348

 25.2509, 16.1166,
3.7169

 26.7747, 18.5009,
6.2705

 28.7701, 21.5231,
9.9213

 31.2734, 25.2256,
14.7762

■ 34.3175, 29.6471,
20.9291

■ 37.9322, 34.8230,
28.4647

■ 42.1454, 40.7868,
37.4604

■ 46.9827, 47.5697,
47.9880

Harmonies

Analogous

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



28.1889, 13.0589, 7.7676



23.4265, 13.0589, 1.2859



16.2515, 13.0589, 0.0000

Triad

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



23.4265, 13.0589, 1.2859



4.0983, 13.0589, 6.3660



15.3341, 13.0589, 81.0222

Complementary

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



23.4265, 13.0589, 1.2859



22.3594, 28.7768, 56.6001

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.



9.2307, 13.0589, 79.1242



23.4265, 13.0589, 1.2859



3.9991, 13.0589, 23.5126

Square

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



23.4265, 13.0589, 1.2859



5.8799, 13.0589, 0.9833



5.5391, 13.0589, 53.0661



22.5637, 13.0589, 57.1062

Rectangle

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



23.4265, 13.0589, 1.2859



11.7791, 13.0589, 0.0000



5.5391, 13.0589, 53.0661



13.0674, 13.0589, 83.7400

Sweetspot

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



23.4268, 13.0597, 1.2861



68.3844, 62.6109, 50.8640



29.1157, 14.2761, 34.5091



14.0137, 12.5113, 9.5794



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.



23.4268, 13.0597, 1.2861



42.3033, 23.3867, 2.2844



31.2806, 28.7674, 3.9040



10.2237, 10.3789, 10.5263



15.1004, 8.4865, 0.8422



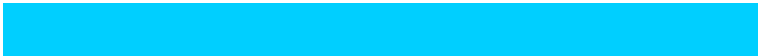
0.7000, 0.4617, 0.0522

Inverse Universe

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



22.3594, 28.7768, 56.6001



40.3250, 51.7701, 102.4750



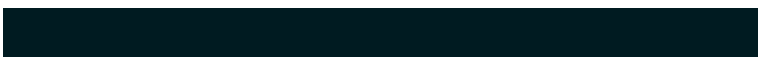
11.6900, 7.4381, 53.0436



10.2016, 11.0946, 12.8886



14.4264, 18.6092, 36.3882



0.6660, 0.8895, 1.5865

Previews

White Background



This preview shows how the XYZ color 23.4265, 13.0589, 1.2859 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 23.4265, 13.0589, 1.2859 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 23.4265, 13.0589, 1.2859

Background



This preview shows how black text looks on a background with the XYZ color 23.4265, 13.0589, 1.2859.



This preview shows how white text looks on a background with the XYZ color 23.4265, 13.0589,

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

23.4265, 13.0589, 1.2859

Protanopia

12.0853, 13.4113, 2.8158

Deuteranopia

13.3280, 13.2165, 1.8486



Tritanopia

23.6547, 13.0533, 2.7862

Trichromacy



Original Color

23.4265, 13.0589, 1.2859

Protanomaly

14.3838, 11.5557, 1.9243

Deuteranomaly

15.6529, 11.8045, 1.4535

Tritanomaly

23.5406, 13.0554, 2.0383

Monochromacy



Original Color

23.4265, 13.0589, 1.2859

Achromatopsia

7.6249, 8.0220, 8.7359

Achromatomaly

10.4570, 8.0434, 4.1334

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.4265, 13.0589, 1.2859 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(196, 37, 0)` looks like.

```
.text, #text, p{  
    color:rgb(196, 37, 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(196, 37, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 37, 0) }
```

Border

The CSS property to change the border of an element to XYZ 23.4265, 13.0589, 1.2859 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(196, 37, 0) }
```


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

```
.border{ border-color:rgb(196, 37, 0) }
```

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

Here you see how a box with a 4 pixel rgb(196, 37, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 37, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 37, 0);  
box-shadow:4px 4px 4px 4px rgb(196, 37, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 23.4265, 13.0589, 1.2859 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 37, 0) }
```

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

```
.background{ background-color: rgb(196, 37,  
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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