

Converting Colors

XYZ(23.4585, 11.8946, 10.0763)

Have a look what the booklet for
XYZ(23.4585, 11.8946, 10.0763)
contains.

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Color

**XYZ(23.4585, 11.8946,
10.0763)**

Conversions

Conversions Part 1

Format	Color
Hex	C00057
RGB	192, 0, 87
RGB Percent	75%, 0%, 34%
CMY	0.2471, 0.9999, 0.6588
CMYK	0.00, 1.00, 0.55, 0.25
HSL	333°, 100%, 38%
HSV	333°, 100%, 75%
XYZ	23.4585, 11.8946, 10.0763
YIQ	67.3260, 86.5050, 67.7610

Conversions

Conversions Part 2

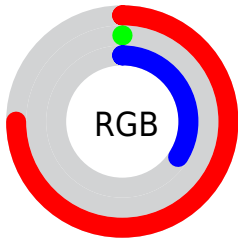
Format	Color
RYB	192, 0, 87
Decimal	12582999
CIELab	41.05, 67.74, 7.89
CIELCh	41, 68.196, 6.648
Yxy	11.8946, 0.5164, 0.2618
Android (android.graphics.Color)	4290773079 (0xFFC00057)
YUV	67.3260, 9.6993, 109.3391
Hunter-Lab	34.4885, 61.0576, 6.8196

Details

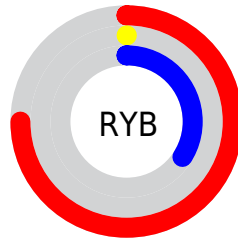
The XYZ color **23.4585, 11.8946, 10.0763** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed red. A complement of this color would be **21.4016, 38.7199, 19.7200**, and the grayscale version is **5.3653, 5.6448, 6.1471**.

A 20% lighter version of the original color is **48.4873, 29.1891, 26.3710**, and **9.7780, 4.9925, 2.6388** is the 20% darker color. If you saturate the color by 10%, you get **23.4576, 11.8942, 10.0720**, and if you desaturate by 10%, it is **24.1562, 12.5527, 12.5821**.

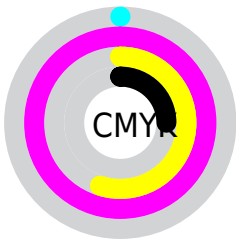
Distribution



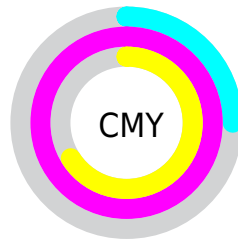
- Red (75%)
- Green (0%)
- Blue (34%)



- Red (75%)
- Yellow (0%)
- Blue (34%)



- Cyan (0%)
- Magenta (100%)
- Yellow (55%)
- Black (25%)




- Cyan (25%)
- Magenta (100%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.4585, 11.8946, 10.0763 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 23.4585, 11.8946, 10.0763 by changing the saturation by 10% instead.


 23.4585, 11.8946,
10.0763


 23.4585, 11.8946,
10.0763

262.5629,
203.7063, 201.7203


 15.0550, 6.6719,
5.3433


 48.6062, 29.3030,
26.5490


 8.9445, 3.2578,
2.3878


 66.0812, 42.2575,
39.1257

 4.7619, 1.2678,
0.7798

 87.3106, 58.5581,
55.1542

 2.1415, 0.1160,
0.0000

 112.6599, 78.5892,
75.0528

 0.7116, 0.0000,
0.0000

 142.4944,
102.7352, 99.2402

 0.0000, 0.0000,
0.0000

 177.1795,

131.3804, 128.1349

217.0805,
164.9093, 162.1554

■ 23.4585, 11.8946,
10.0763

■ 23.4585, 11.8946,
10.0763

■ 23.4576, 11.8942,
10.0720

■ 24.1562, 12.5527,
12.5821

■ 25.1522, 13.7035,
15.5079

■ 26.5331, 15.5161,
18.8941

■ 28.3435, 18.0765,
22.7669

■ 30.6219, 21.4578,
27.1497

■ 33.4018, 25.7243,
32.0640

■ 36.7139, 30.9336,
37.5296

■ 40.5860, 37.1386,
43.5653

■ 45.0440, 44.3883,
50.1888

Harmonies

Analogous

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



22.3266, 11.8946, 26.8328



23.4585, 11.8946, 10.0763



20.6561, 11.8946, 2.6082

Triad

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



23.4585, 11.8946, 10.0763



6.5691, 11.8946, 1.1314



7.9718, 11.8946, 56.7666

Complementary

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



23.4585, 11.8946, 10.0763



21.4016, 38.7199, 19.7200

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.



5.3134, 11.8946, 36.6032



23.4585, 11.8946, 10.0763



4.6819, 11.8946, 4.9389

Square

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



23.4585, 11.8946, 10.0763



10.2512, 11.8946, 0.2122



4.2999, 11.8946, 16.3267



12.4297, 11.8946, 62.3664

Rectangle

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



23.4585, 11.8946, 10.0763



17.3055, 11.8946, 0.9654



4.2999, 11.8946, 16.3267



6.8825, 11.8946, 51.0012

Sweetspot

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



23.4588, 11.8953, 10.0765



66.2003, 55.5364, 67.4827



15.0416, 6.6557, 50.3608



13.6335, 11.0157, 13.5522



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



23.4588, 11.8953, 10.0765



42.3810, 21.5025, 17.6016



21.8081, 11.3462, 1.0417



10.2587, 10.1521, 11.4526



15.8228, 8.0189, 6.9787



0.7184, 0.3604, 0.4843

Inverse Universe

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



23.4588, 11.8953, 10.0765



42.3810, 21.5025, 17.6016



26.9897, 38.7558, 55.9270



10.2587, 10.1521, 11.4526



15.8228, 8.0189, 6.9787



0.7184, 0.3604, 0.4843

Previews

White Background



This preview shows how the XYZ color 23.4585, 11.8946, 10.0763 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 23.4585, 11.8946, 10.0763 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 23.4585, 11.8946, 10.0763

Background



This preview shows how black text looks on a background with the XYZ color 23.4585, 11.8946, 10.0763.



This preview shows how white text looks on a background with the XYZ color 23.4585, 11.8946,

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

23.4585, 11.8946, 10.0763

Protanopia

12.5472, 12.5170, 21.4934

Deuteranopia

12.7060, 12.4619, 9.1329



Tritanopia

22.1250, 12.2647, 2.7146

Trichromacy



Original Color

23.4585, 11.8946, 10.0763

Protanomaly

13.5493, 9.2043, 16.3917

Deuteranomaly

14.6404, 9.7702, 9.0968

Tritanomaly

22.4154, 11.9072, 4.4851

Monochromacy



Original Color

23.4585, 11.8946, 10.0763

Achromatopsia

5.3350, 5.6128, 6.1124

Achromatomaly

8.7820, 5.6669, 7.1095

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.4585, 11.8946, 10.0763 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(192, 0, 87)` looks like.

```
.text, #text, p{  
    color:rgb(192, 0, 87)  
}
```

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(192, 0, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 0, 87) }
```

Border

The CSS property to change the border of an element to XYZ 23.4585, 11.8946, 10.0763 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(192, 0, 87) }
```


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

```
.border{ border-color:rgb(192, 0, 87) }
```

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

Here you see how a box with a 4 pixel rgb(192, 0, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 0, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 0, 87);  
box-shadow:4px 4px 4px 4px rgb(192, 0, 87)  
}
```

Background

The CSS property to change the background color of an element to XYZ 23.4585, 11.8946, 10.0763 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 0, 87) }
```

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

```
.background{ background-color: rgb(192, 0,  
87) }
```

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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