

Converting Colors

XYZ(22.3258, 9.7698, 9.3488)

Have a look what the booklet for
XYZ(22.3258, 9.7698, 9.3488)
contains.

XYZ(23.3779, 11.8623, 9.6518)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(23.3779, 11.8623,
9.6518)**

Conversions

Conversions Part 1

Format	Color
Hex	C00055
RGB	192, 0, 85
RGB Percent	75%, 0%, 33%
CMY	0.2471, 0.9999, 0.6667
CMYK	0.00, 1.00, 0.56, 0.25
HSL	333°, 100%, 38%
HSV	333°, 100%, 75%
XYZ	23.3779, 11.8623, 9.6518
YIQ	67.0980, 87.1470, 67.1390

Conversions

Conversions Part 2

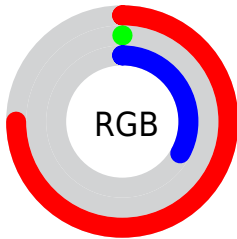
Format	Color
RYB	192, 0, 85
Decimal	12582997
CIELab	41.00, 67.60, 9.09
CIELCh	41, 68.210, 7.662
Yxy	11.8623, 0.5208, 0.2642
Android (android.graphics.Color)	4290773077 (0xFFC00055)
YUV	67.0980, 8.8257, 109.5391
Hunter-Lab	34.4417, 60.8870, 7.4940

Details

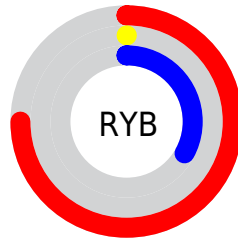
The XYZ color **23.3779, 11.8623, 9.6518** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed red. A complement of this color would be **21.5055, 38.7616, 20.2672**, and the grayscale version is **5.3302, 5.6078, 6.1069**.

A 20% lighter version of the original color is **48.3465, 29.1327, 25.6293**, and **9.7603, 4.9854, 2.5457** is the 20% darker color. If you saturate the color by 10%, you get **23.3771, 11.8620, 9.6480**, and if you desaturate by 10%, it is **24.0726, 12.5191, 12.1422**.

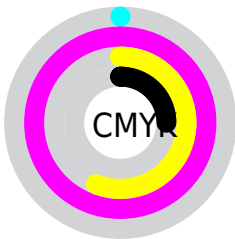
Distribution



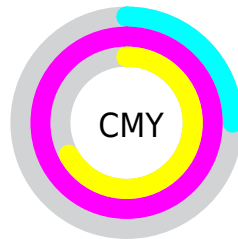
- Red (75%)
- Green (0%)
- Blue (33%)



- Red (75%)
- Yellow (0%)
- Blue (33%)



- Cyan (0%)
- Magenta (100%)
- Yellow (56%)
- Black (25%)





- Cyan (25%)
- Magenta (100%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.3779, 11.8623, 9.6518 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 23.3779, 11.8623, 9.6518 by changing the saturation by 10% instead.


 23.3779, 11.8623,
9.6518


 23.3779, 11.8623,
9.6518


262.1593,
203.4915, 198.5622


 14.9950, 6.6500,
5.0661


 48.4752, 29.2441,
25.7360


 8.9022, 3.2442,
2.2267


 65.9203, 42.1823,
38.0716


 4.7340, 1.2605,
0.6897

 87.1169, 58.4646,
53.8275

 2.1252, 0.1103,
0.0000

 112.4303, 78.4755,
73.4225

 0.7029, 0.0000,
0.0000

 142.2259,
102.5992, 97.2748

 0.0000, 0.0000,
0.0000

 176.8691,

131.2201, 125.8032

216.7251,
164.7228, 159.4262

■ 23.3779, 11.8623,
9.6518

■ 23.3779, 11.8623,
9.6518

■ 23.3771, 11.8620,
9.6480

■ 24.0726, 12.5191,
12.1422

■ 25.0678, 13.6695,
15.0633

■ 26.4499, 15.4825,
18.4565

■ 28.2640, 18.0443,
22.3489

■ 30.5484, 21.4279,
26.7644

■ 33.3371, 25.6977,
31.7252

■ 36.6607, 30.9115,
37.2520

■ 40.5472, 37.1222,
43.3639

■ 45.0227, 44.3787,
50.0794

Harmonies

Analogous

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



22.3828, 11.8623, 26.0721



23.3779, 11.8623, 9.6518



20.4627, 11.8623, 2.4670

Triad

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



23.3779, 11.8623, 9.6518



6.4552, 11.8623, 1.1811



8.0689, 11.8623, 57.1825

Complementary

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



23.3779, 11.8623, 9.6518



21.5055, 38.7616, 20.2672

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.



5.3548, 11.8623, 37.3035



23.3779, 11.8623, 9.6518



4.6282, 11.8623, 5.1534

Square

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



23.3779, 11.8623, 9.6518



10.0685, 11.8623, 0.2155



4.2936, 11.8623, 16.8439



12.5737, 11.8623, 62.1122

Rectangle

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



23.3779, 11.8623, 9.6518



17.0812, 11.8623, 0.9126



4.2936, 11.8623, 16.8439



6.9605, 11.8623, 51.5718

Sweetspot

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



23.3782, 11.8630, 9.6520



66.1039, 55.4978, 66.9754



15.4129, 6.8471, 50.3782



13.6108, 11.0066, 13.4327



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.



23.3782, 11.8630, 9.6520



42.2363, 21.4446, 16.8395



21.8429, 11.4156, 1.0531



10.2543, 10.1503, 11.4295



15.7682, 7.9970, 6.6916



0.7159, 0.3594, 0.4714

Inverse Universe

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



23.3782, 11.8630, 9.6520



42.2363, 21.4446, 16.8395



26.3251, 37.4265, 55.7055



10.2543, 10.1503, 11.4295



15.7682, 7.9970, 6.6916



0.7159, 0.3594, 0.4714

Previews

White Background



This preview shows how the XYZ color 23.3779, 11.8623, 9.6518 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 23.3779, 11.8623, 9.6518 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

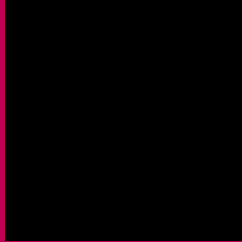
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.3779, 11.8623, 9.6518

Background



This preview shows how black text looks on a background with the XYZ color 23.3779, 11.8623, 9.6518.



This preview shows how white text looks on a background with the XYZ color 23.3779, 11.8623,

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

23.3779, 11.8623, 9.6518

Protanopia

12.4570, 12.4926, 20.4936

Deuteranopia

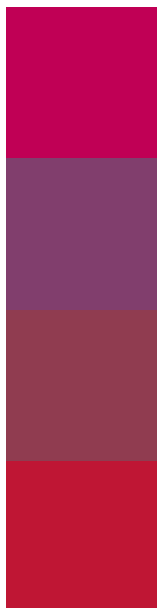
12.6342, 12.4332, 8.7551



Tritanopia

22.0817, 12.2010, 2.6300

Trichromacy



Original Color

23.3779, 11.8623, 9.6518

Protanomaly

13.5362, 9.2165, 15.5335

Deuteranomaly

14.5654, 9.7402, 8.7018

Tritanomaly

22.3926, 11.8981, 4.3652

Monochromacy



Original Color

23.3779, 11.8623, 9.6518

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 23.3779, 11.8623, 9.6518 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, 85)` looks like.

```
.text, #text, p{  
    color:rgb(192, 0, 85)  
}
```

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, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 0, 85) }
```

Border

The CSS property to change the border of an element to XYZ 23.3779, 11.8623, 9.6518 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, 85) }
```


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

```
.border{ border-color:rgb(192, 0, 85) }
```

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, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 0, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 0, 85);  
box-shadow:4px 4px 4px 4px rgb(192, 0, 85)  
}
```

Background

The CSS property to change the background color of an element to XYZ 23.3779, 11.8623, 9.6518 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, 85) }
```

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

```
.background{ background-color: rgb(192, 0,  
85) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor