

Converting Colors

XYZ(22.9142, 10.7740, 8.2276)

Have a look what the booklet for
XYZ(22.9142, 10.7740, 8.2276)
contains.

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Color

**XYZ(23.4036, 11.9020,
8.4609)**

Conversions

Conversions Part 1

Format	Color
Hex	C1004F
RGB	193, 0, 79
RGB Percent	76%, 0%, 31%
CMY	0.2431, 0.9999, 0.6902
CMYK	0.00, 1.00, 0.59, 0.24
HSL	335°, 100%, 38%
HSV	335°, 100%, 76%
XYZ	23.4036, 11.9020, 8.4609
YIQ	66.7130, 89.6690, 65.4850

Conversions

Conversions Part 2

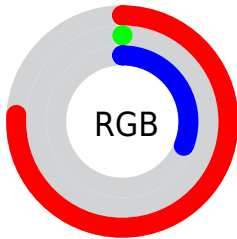
Format	Color
RYB	193, 0, 79
Decimal	12648527
CIELab	41.06, 67.44, 13.03
CIELCh	41, 68.690, 10.938
Yxy	11.9020, 0.5347, 0.2719
Android (android.graphics.Color)	4290838607 (0xFFC1004F)
YUV	66.7130, 6.0575, 110.7537
Hunter-Lab	34.4993, 60.7170, 9.6087

Details

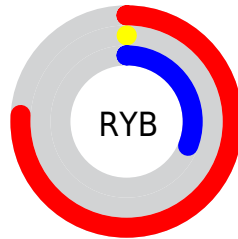
The XYZ color **23.4036, 11.9020, 8.4609** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark washed red. A complement of this color would be **22.1097, 39.3557, 22.3619**, and the grayscale version is **5.2739, 5.5486, 6.0424**.

A 20% lighter version of the original color is **48.3066, 29.1592, 23.5043**, and **9.8342, 5.0329, 2.1222** is the 20% darker color. If you saturate the color by 10%, you get **23.4027, 11.9016, 8.4566**, and if you desaturate by 10%, it is **24.0935, 12.5597, 10.9173**.

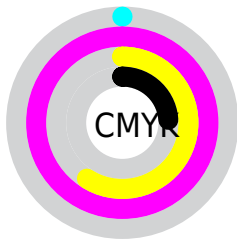
Distribution



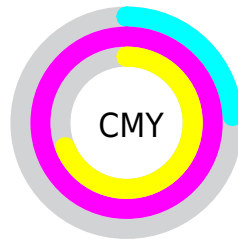
- Red (76%)
- Green (0%)
- Blue (31%)



- Red (76%)
- Yellow (0%)
- Blue (31%)



- Cyan (0%)
- Magenta (100%)
- Yellow (59%)
- Black (24%)



- Cyan (24%)
- Magenta (100%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.4036, 11.9020, 8.4609 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 23.4036, 11.9020, 8.4609 by changing the saturation by 10% instead.

■ 23.4036, 11.9020,
8.4609

■ 23.4036, 11.9020,
8.4609

262.2880,
203.7554, 189.3712

■ 15.0141, 6.6770,
4.2993

■ 48.5170, 29.3165,
23.4181

■ 8.9157, 3.2609,
1.7909

■ 65.9716, 42.2748,
35.0507

■ 4.7429, 1.2694,
0.4220

■ 87.1787, 58.5796,
50.0108

■ 2.1304, 0.1173,
0.0000

■ 112.5036, 78.6153,
68.7168

■ 0.7057, 0.0000,
0.0000

■ 142.3116,
102.7663, 91.5873

■ 0.0000, 0.0000,
0.0000

■ 176.9681,

131.4171, 119.0408

216.8385,
164.9520, 151.4960

■ 23.4036, 11.9020,
8.4609

■ 23.4036, 11.9020,
8.4609

■ 23.4027, 11.9016,
8.4566

■ 24.0935, 12.5597,
10.9173

■ 25.0945, 13.7202,
13.8452

■ 26.4944, 15.5541,
17.2897

■ 28.3395, 18.1492,
21.2807

■ 30.6690, 21.5795,
25.8455

■ 33.5178, 25.9104,
31.0087

■ 36.9174, 31.2006,
36.7935

■ 40.8965, 37.5038,
43.2217

■ 45.4818, 44.8699,
50.3138

Harmonies

Analogous

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



22.8438, 11.9020, 23.9999



23.4036, 11.9020, 8.4609



20.0894, 11.9020, 2.0691

Triad

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



23.4036, 11.9020, 8.4609



6.1692, 11.9020, 1.3675



8.4907, 11.9020, 59.2715

Complementary

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



23.4036, 11.9020, 8.4609



22.1097, 39.3557, 22.3619

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.



5.5568, 11.9020, 40.1238



23.4036, 11.9020, 8.4609



4.5107, 11.9020, 5.9618

Square

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



23.4036, 11.9020, 8.4609



9.6077, 11.9020, 0.2343



4.3250, 11.9020, 18.8223



13.2079, 11.9020, 62.0566

Rectangle

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



23.4036, 11.9020, 8.4609



16.5695, 11.9020, 0.7517



4.3250, 11.9020, 18.8223



7.3047, 11.9020, 54.1131

Sweetspot

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



23.4039, 11.9027, 8.4611



65.7979, 55.3755, 65.3641



16.3845, 7.3352, 51.0041



13.5388, 10.9778, 13.0537



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.



23.4039, 11.9027, 8.4611



41.7998, 21.2700, 14.5410



22.1794, 11.7116, 1.0927



10.2402, 10.1447, 11.3556



15.6032, 7.9310, 5.8226



0.7084, 0.3564, 0.4316

Inverse Universe

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



23.4039, 11.9027, 8.4611



41.7998, 21.2700, 14.5410



25.3323, 35.2629, 55.9231



10.2402, 10.1447, 11.3556



15.6032, 7.9310, 5.8226



0.7084, 0.3564, 0.4316

Previews

White Background



This preview shows how the XYZ color 23.4036, 11.9020, 8.4609 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 23.4036, 11.9020, 8.4609 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 23.4036, 11.9020, 8.4609

Background



This preview shows how black text looks on a background with the XYZ color 23.4036, 11.9020, 8.4609.



This preview shows how white text looks on a background with the XYZ color 23.4036, 11.9020,

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

23.4036, 11.9020, 8.4609

Protanopia

12.3802, 12.6483, 18.0085

Deuteranopia

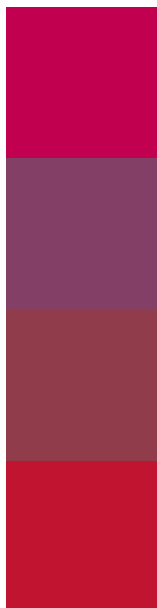
12.7008, 12.4909, 7.7028



Tritanopia

22.2367, 12.2031, 2.4117

Trichromacy



Original Color

23.4036, 11.9020, 8.4609

Protanomaly

13.5359, 9.3396, 13.6597

Deuteranomaly

14.5289, 9.7459, 7.5939

Tritanomaly

22.5219, 11.9202, 3.9101

Monochromacy



Original Color

23.4036, 11.9020, 8.4609

Achromatopsia

5.3350, 5.6128, 6.1124

Achromatomaly

8.8113, 5.6934, 6.5958

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.4036, 11.9020, 8.4609 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(193, 0, 79)` looks like.

```
.text, #text, p{  
  color:rgb(193, 0, 79)  
}
```

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(193, 0, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 0, 79) }
```

Border

The CSS property to change the border of an element to XYZ 23.4036, 11.9020, 8.4609 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(193, 0, 79) }
```


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

```
.border{ border-color:rgb(193, 0, 79) }
```

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

Here you see how a box with a 4 pixel rgb(193, 0, 79) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 0, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 0, 79);  
box-shadow:4px 4px 4px 4px rgb(193, 0, 79)  
}
```

Background

The CSS property to change the background color of an element to XYZ 23.4036, 11.9020, 8.4609 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 0, 79) }
```

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

```
.background{ background-color: rgb(193, 0,  
79) }
```

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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