

Converting Colors

XYZ(23.0978, 9.7228, 10.0684)

Have a look what the booklet for
XYZ(23.0978, 9.7228, 10.0684)
contains.

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Color

**XYZ(24.3088, 12.3234,
10.5486)**

Conversions

Conversions Part 1

Format	Color
Hex	C30059
RGB	195, 0, 89
RGB Percent	76%, 0%, 35%
CMY	0.2353, 0.9998, 0.6510
CMYK	0.00, 1.00, 0.54, 0.24
HSL	333°, 100%, 38%
HSV	333°, 100%, 76%
XYZ	24.3088, 12.3234, 10.5486
YIQ	68.4510, 87.6510, 69.0190

Conversions

Conversions Part 2

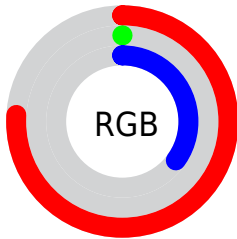
Format	Color
RYB	195, 0, 89
Decimal	12779609
CIELab	41.73, 68.56, 7.67
CIELCh	42, 68.990, 6.384
Yxy	12.3234, 0.5152, 0.2612
Android (android.graphics.Color)	4290969689 (0xFFC30059)
YUV	68.4510, 10.1307, 110.9835
Hunter-Lab	35.1047, 62.1719, 6.7573

Details

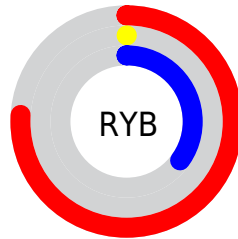
The XYZ color **24.3088, 12.3234, 10.5486** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed red. A complement of this color would be **22.1190, 40.0716, 20.2151**, and the grayscale version is **5.5449, 5.8337, 6.3529**.

A 20% lighter version of the original color is **49.1487, 29.6211, 27.5531**, and **10.2861, 5.2502, 2.8541** is the 20% darker color. If you saturate the color by 10%, you get **24.3078, 12.3229, 10.5439**, and if you desaturate by 10%, it is **25.0287, 12.9986, 13.1457**.

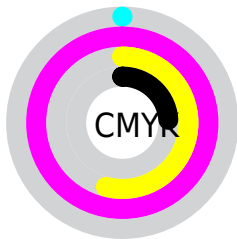
Distribution



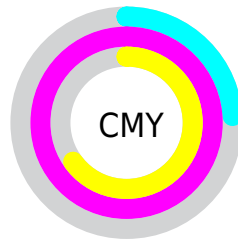
- Red (76%)
- Green (0%)
- Blue (35%)



- Red (76%)
- Yellow (0%)
- Blue (35%)



- Cyan (0%)
- Magenta (100%)
- Yellow (54%)
- Black (24%)





- Cyan (24%)
- Magenta (100%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.3088, 12.3234, 10.5486 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 24.3088, 12.3234, 10.5486 by changing the saturation by 10% instead.


 24.3088, 12.3234,
10.5486


 24.3088, 12.3234,
10.5486


266.7896,
206.5347, 205.1689


 15.6888, 6.9643,
5.6539


 49.9847, 30.0828,
27.4462


 9.3937, 3.4398,
2.5704


 67.7713, 43.2518,
40.2860


 5.0580, 1.3654,
0.8771

 89.3441, 59.7930,
56.6114

 2.3164, 0.1910,
0.0000

 115.0686, 80.0907,
76.8407

 0.8031, 0.0000,
0.0000

 145.3100,
104.5294, 101.3926

 0.0000, 0.0000,
0.0000

 180.4337,

133.4933, 130.6856

220.8051,
167.3669, 165.1382

■ 24.3088, 12.3234,
10.5486

■ 24.3088, 12.3234,
10.5486

■ 24.3078, 12.3229,
10.5439

■ 25.0287, 12.9986,
13.1457

■ 26.0579, 14.1859,
16.1750

■ 27.4852, 16.0585,
19.6779

■ 29.3572, 18.7062,
23.6815

■ 31.7135, 22.2047,
28.2098

■ 34.5892, 26.6209,
33.2848

■ 38.0159, 32.0147,
38.9271

■ 42.0227, 38.4409,
45.1558

■ 46.6363, 45.9505,
51.9893

Harmonies

Analogous

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



23.1000, 12.3234, 27.9880



24.3088, 12.3234, 10.5486



21.4380, 12.3234, 2.7392

Triad

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



24.3088, 12.3234, 10.5486



6.8320, 12.3234, 1.1583



8.2274, 12.3234, 58.6600

Complementary

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



24.3088, 12.3234, 10.5486



22.1190, 40.0716, 20.2151

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.



5.4899, 12.3234, 37.7089



24.3088, 12.3234, 10.5486



4.8618, 12.3234, 5.0565

Square

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



24.3088, 12.3234, 10.5486



10.6628, 12.3234, 0.2362



4.4534, 12.3234, 16.7658



12.8300, 12.3234, 64.6379

Rectangle

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



24.3088, 12.3234, 10.5486



17.9774, 12.3234, 1.0138



4.4534, 12.3234, 16.7658



7.1046, 12.3234, 52.6496

Sweetspot

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



24.3091, 12.3241, 10.5488



67.7661, 56.8282, 69.2049



15.5617, 6.8851, 52.1381



14.2396, 11.4951, 14.1806



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.



24.3091, 12.3241, 10.5488



43.4137, 22.0218, 18.2405



22.5767, 11.7440, 1.0780



10.2600, 10.1526, 11.4599



15.8402, 8.0258, 7.0707



0.7191, 0.3607, 0.4884

Inverse Universe

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



24.3091, 12.3241, 10.5488



43.4137, 22.0218, 18.2405



27.9411, 40.1211, 57.9009



10.2600, 10.1526, 11.4599



15.8402, 8.0258, 7.0707



0.7191, 0.3607, 0.4884

Previews

White Background



This preview shows how the XYZ color 24.3088, 12.3234, 10.5486 looks on a white background.

Color Contrast Check

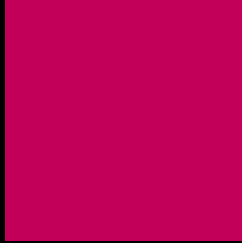
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.3088, 12.3234, 10.5486 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 24.3088, 12.3234, 10.5486

Background



This preview shows how black text looks on a background with the XYZ color 24.3088, 12.3234, 10.5486.



This preview shows how white text looks on a background with the XYZ color 24.3088, 12.3234,

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

24.3088, 12.3234, 10.5486

Protanopia

13.0338, 13.0265, 22.5963

Deuteranopia

13.0960, 12.9254, 9.5892



Tritanopia

22.8967, 12.6609, 2.8271

Trichromacy



Original Color

24.3088, 12.3234, 10.5486

Protanomaly

14.0766, 9.6275, 17.0360

Deuteranomaly

14.9999, 10.1051, 9.5474

Tritanomaly

23.2246, 12.3190, 4.7682

Monochromacy



Original Color

24.3088, 12.3234, 10.5486

Achromatopsia

5.4944, 5.7805, 6.2950

Achromatomaly

9.1078, 5.8270, 7.4822

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.3088, 12.3234, 10.5486 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(195, 0, 89)` looks like.

```
.text, #text, p{  
    color:rgb(195, 0, 89)  
}
```

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(195, 0, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 0, 89) }
```

Border

The CSS property to change the border of an element to XYZ 24.3088, 12.3234, 10.5486 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(195, 0, 89) }
```


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

```
.border{ border-color:rgb(195, 0, 89) }
```

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

Here you see how a box with a 4 pixel rgb(195, 0, 89) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 0, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 0, 89);  
box-shadow:4px 4px 4px 4px rgb(195, 0, 89)  
}
```

Background

The CSS property to change the background color of an element to XYZ 24.3088, 12.3234, 10.5486 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 0, 89) }
```

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

```
.background{ background-color: rgb(195, 0,  
89) }
```

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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