

Converting Colors

XYZ(23.6234, 12.2856, 2.4018)

Have a look what the booklet for
XYZ(23.6234, 12.2856, 2.4018)
contains.

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Color

**XYZ(23.6229, 12.2784,
2.4212)**

Conversions

Conversions Part 1

Format	Color
Hex	C6081F
RGB	198, 8, 31
RGB Percent	78%, 3%, 12%
CMY	0.2235, 0.9685, 0.8784
CMYK	0.00, 0.96, 0.84, 0.22
HSL	353°, 92%, 40%
HSV	353°, 96%, 78%
XYZ	23.6229, 12.2784, 2.4212
YIQ	67.4320, 105.8570, 47.4330

Conversions

Conversions Part 2

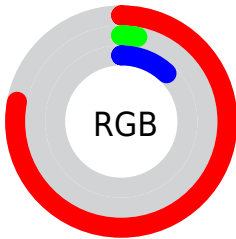
Format	Color
RYB	198, 8, 31
Decimal	12978207
CIELab	41.66, 65.85, 43.16
CIElCh	42, 78.738, 33.244
Yxy	12.2784, 0.6164, 0.3204
Android (android.graphics.Color)	4291168287 (0xFFC6081F)
YUV	67.4320, -17.9610, 114.5081
Hunter-Lab	35.0405, 59.0164, 20.4316

Details

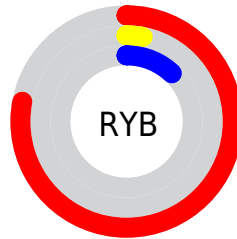
The XYZ color **23.6229, 12.2784, 2.4212** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark washed red. A complement of this color would be **28.0365, 43.5366, 47.5041**, and the grayscale version is **5.4230, 5.7054, 6.2132**.

A 20% lighter version of the original color is **45.9073, 28.4514, 10.0933**, and **9.8315, 5.0683, 0.4601** is the 20% darker color. If you saturate the color by 10%, you get **23.4527, 12.0714, 1.9543**, and if you desaturate by 10%, it is **24.2420, 13.0455, 4.0809**.

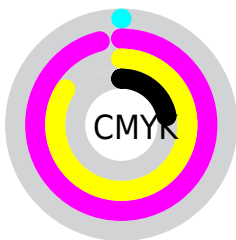
Distribution



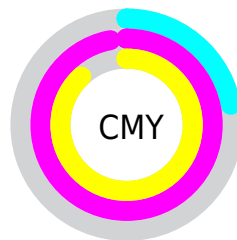
- Red (78%)
- Green (3%)
- Blue (12%)



- Red (78%)
- Yellow (3%)
- Blue (12%)



- Cyan (0%)
- Magenta (96%)
- Yellow (84%)
- Black (22%)





- Cyan (22%)
- Magenta (97%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.6229, 12.2784, 2.4212 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 23.6229, 12.2784, 2.4212 by changing the saturation by 10% instead.


 23.6229, 12.2784,
2.4212


 23.6229, 12.2784,
2.4212


263.3844,
206.2398, 128.6080


 15.1773, 6.9336,
0.7980


 48.8733, 30.0011,
10.1633


 9.0311, 3.4206,
0.0000


 66.4088, 43.1479,
17.1286


 4.8187, 1.3551,
0.0000

 87.7051, 59.6640,
26.7148

 2.1750, 0.1832,
0.0000

 113.1274, 79.9339,
39.3404

 0.7295, 0.0000,
0.0000


 143.0411,
104.3421, 55.4240


 0.0000, 0.0000,
0.0000


 177.8116,


133.2729, 75.3841


 217.8043,
167.1106, 99.6393


 23.6229, 12.2784,
2.4212


 23.6229, 12.2784,
2.4212


 23.4527, 12.0714,
1.9543

 24.2420, 13.0455,
4.0809

 25.3088, 14.4815,
6.5868

 26.8919, 16.7006,
10.0345

 29.0471, 19.7935,
14.5060

 31.8226, 23.8385,
20.0743

■ 35.2617, 28.9051,
26.8057

■ 39.4038, 35.0565,
34.7611

■ 44.2849, 42.3506,
43.9973

■ 49.9389, 50.8413,
54.5674

Harmonies

Analogous

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



26.6177, 12.2784, 11.6507



23.6229, 12.2784, 2.4212



17.4102, 12.2784, 0.1057

Triad

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



23.6229, 12.2784, 2.4212



4.3033, 12.2784, 3.5609



12.3093, 12.2784, 76.7812

Complementary

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



23.6229, 12.2784, 2.4212



28.0365, 43.5366, 47.5041

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.



7.3549, 12.2784, 66.5296



23.6229, 12.2784, 2.4212



3.7293, 12.2784, 15.2486

Square

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



23.6229, 12.2784, 2.4212



6.5843, 12.2784, 0.4172



4.6342, 12.2784, 39.4416



18.8687, 12.2784, 61.4259

Rectangle

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



23.6229, 12.2784, 2.4212



13.0244, 12.2784, 0.0000



4.6342, 12.2784, 39.4416



10.4133, 12.2784, 76.2383

Sweetspot

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



23.6232, 12.2792, 2.4214



67.0670, 58.0453, 56.3772



27.4413, 13.0986, 54.5077



13.6834, 11.4270, 10.7754



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.



23.6232, 12.2792, 2.4214



41.4850, 21.3580, 3.2199



26.0352, 17.4285, 2.2227



10.6852, 10.6574, 11.3253



15.2691, 7.8572, 1.3609



0.7408, 0.3791, 0.1580

Inverse Universe

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



23.6232, 12.2792, 2.4214



41.4850, 21.3580, 3.2199



18.0583, 19.6584, 56.2684



10.6852, 10.6574, 11.3253



15.2691, 7.8572, 1.3609



0.7408, 0.3791, 0.1580

Previews

White Background



This preview shows how the XYZ color 23.6229, 12.2784, 2.4212 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



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 23.6229, 12.2784, 2.4212

Background



This preview shows how black text looks on a background with the XYZ color 23.6229, 12.2784, 2.4212.



This preview shows how white text looks on a background with the XYZ color 23.6229, 12.2784,

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

23.6229, 12.2784, 2.4212

Protanopia

11.6884, 12.7241, 4.8576

Deuteranopia

12.8446, 12.6964, 1.7737



Tritanopia

23.2423, 12.3029, 1.1497

Trichromacy



Original Color

23.6229, 12.2784, 2.4212

Protanomaly

13.7709, 10.0284, 3.4954

Deuteranomaly

14.9748, 10.3515, 1.5254

Tritanomaly

23.2434, 12.2086, 1.4480

Monochromacy



Original Color

23.6229, 12.2784, 2.4212

Achromatopsia

5.3350, 5.6128, 6.1124

Achromatomaly

8.7131, 5.8652, 4.1629

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.6229, 12.2784, 2.4212 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(198, 8, 31)` looks like.

```
.text, #text, p{  
    color:rgb(198, 8, 31)  
}
```

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(198, 8, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 8, 31) }
```

Border

The CSS property to change the border of an element to XYZ 23.6229, 12.2784, 2.4212 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(198, 8, 31) }
```


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

```
.border{ border-color:rgb(198, 8, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 8, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 8, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 8, 31);  
box-shadow:4px 4px 4px 4px rgb(198, 8, 31)  
}
```

Background

The CSS property to change the background color of an element to XYZ 23.6229, 12.2784, 2.4212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 8, 31) }
```

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

```
.background{ background-color: rgb(198, 8,  
31) }
```

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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