

Converting Colors

XYZ(22.8267, 11.8557, 5.6674)

Have a look what the booklet for
XYZ(22.8267, 11.8557, 5.6674)
contains.

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Color

**XYZ(22.7392, 11.8172,
5.6399)**

Conversions

Conversions Part 1

Format	Color
Hex	C00C3E
RGB	192, 12, 62
RGB Percent	75%, 5%, 24%
CMY	0.2471, 0.9528, 0.7569
CMYK	0.00, 0.94, 0.68, 0.25
HSL	343°, 88%, 40%
HSV	343°, 94%, 75%
XYZ	22.7392, 11.8172, 5.6399
YIQ	71.5200, 91.2300, 53.7100

Conversions

Conversions Part 2

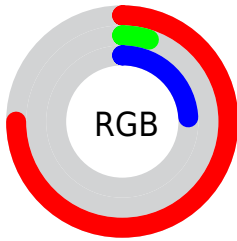
Format	Color
R_{YB}	192, 12, 62
Decimal	12586046
CIE Lab	40.92, 65.03, 23.59
CIE LCh	41, 69.180, 19.939
Yxy	11.8172, 0.5657, 0.2940
Android (android.graphics.Color)	4290776126 (0xFFC00C3E)
YUV	71.5200, -4.6934, 105.6610
Hunter-Lab	34.3762, 57.9162, 14.3359

Details

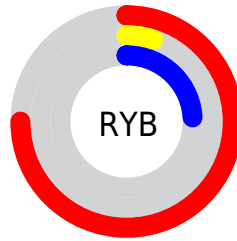
The XYZ color **22.7392, 11.8172, 5.6399** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **23.8864, 39.7314, 32.0136**, and the grayscale version is **6.0772, 6.3937, 6.9627**.

A 20% lighter version of the original color is **47.4085, 29.1805, 17.6017**, and **9.3413, 4.8000, 1.1436** is the 20% darker color. If you saturate the color by 10%, you get **22.3878, 11.4663, 4.4388**, and if you desaturate by 10%, it is **23.5341, 12.7185, 8.0282**.

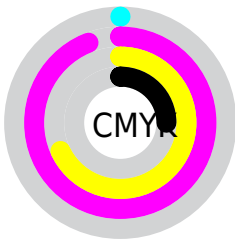
Distribution



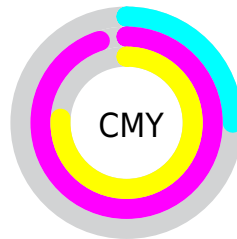
- Red (75%)
- Green (5%)
- Blue (24%)



- Red (75%)
- Yellow (5%)
- Blue (24%)



- Cyan (0%)
- Magenta (94%)
- Yellow (68%)
- Black (25%)





- Cyan (25%)
- Magenta (95%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 22.7392, 11.8172, 5.6399 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 22.7392, 11.8172, 5.6399 by changing the saturation by 10% instead.

 22.7392, 11.8172,
5.6399


 22.7392, 11.8172,
5.6399


258.9431,
203.1913, 165.0058


 14.5207, 6.6193,
2.5622


 47.4346, 29.1617,
17.6433


 8.5678, 3.2252,
0.8728


 64.6421, 42.0772,
27.4061

 4.5152, 1.2504,
0.0000

 85.5767, 58.3339,
40.2344

 1.9975, 0.1023,
0.0000

 110.6037, 78.3164,
56.5465

 0.6326, 0.0000,
0.0000

 140.0885,
102.4090, 76.7612

 0.0000, 0.0000,
0.0000

 174.3964,

130.9961, 101.2970

213.8928,
164.4621, 130.5723

■ 22.7392, 11.8172,
5.6399

■ 22.7392, 11.8172,
5.6399

■ 22.3878, 11.4663,
4.4388

■ 23.5341, 12.7185,
8.0282

■ 24.7316, 14.2585,
11.0633

■ 26.3841, 16.5324,
14.7929

■ 28.5355, 19.6188,
19.2598

■ 31.2243, 23.5864,
24.5027

■ 34.4849, 28.4961,
30.5577

■ 38.3490, 34.4037,
37.4584

■ 42.8458, 41.3605,
45.2364

■ 48.0025, 49.4143,
53.9218

Harmonies

Analogous

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



23.4235, 11.8172, 18.2296



22.7392, 11.8172, 5.6399



18.5231, 11.8172, 1.2566

Triad

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



22.7392, 11.8172, 5.6399



5.4168, 11.8172, 2.0983



9.6526, 11.8172, 62.5522

Complementary

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



22.7392, 11.8172, 5.6399



23.8864, 39.7314, 32.0136

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.



6.1598, 11.8172, 46.9461



22.7392, 11.8172, 5.6399



4.2341, 11.8172, 8.6749

Square

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



22.7392, 11.8172, 5.6399



8.2936, 11.8172, 0.3863



4.4589, 11.8172, 24.5547



14.7932, 11.8172, 59.1365

Rectangle

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



22.7392, 11.8172, 5.6399



14.8161, 11.8172, 0.3898



4.4589, 11.8172, 24.5547



8.2780, 11.8172, 59.0817

Sweetspot

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



22.7395, 11.8179, 5.6401



66.0454, 57.0590, 61.7822



20.6322, 9.7330, 50.6601



13.5350, 11.2743, 12.1143



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.



22.7395, 11.8179, 5.6401



40.4747, 20.7400, 7.5630



22.9896, 13.6029, 1.7628



10.1856, 10.1228, 11.0677



15.0936, 7.7272, 3.1389



0.6824, 0.3460, 0.2951

Inverse Universe

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



22.7395, 11.8179, 5.6401



40.4747, 20.7400, 7.5630



21.0588, 26.6688, 53.9065



10.1856, 10.1228, 11.0677



15.0936, 7.7272, 3.1389



0.6824, 0.3460, 0.2951

Previews

White Background



This preview shows how the XYZ color 22.7392, 11.8172, 5.6399 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 22.7392, 11.8172, 5.6399 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 22.7392, 11.8172, 5.6399

Background



This preview shows how black text looks on a background with the XYZ color 22.7392, 11.8172, 5.6399.



This preview shows how white text looks on a background with the XYZ color 22.7392, 11.8172,

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

22.7392, 11.8172, 5.6399

Protanopia

11.7355, 12.3155, 11.6561

Deuteranopia

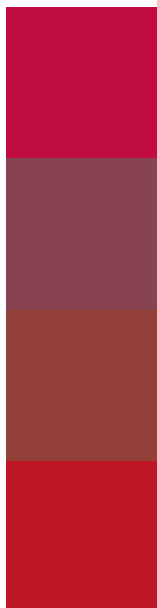
12.3910, 12.2555, 5.0806



Tritanopia

22.0427, 11.9262, 2.0044

Trichromacy



Original Color

22.7392, 11.8172, 5.6399

Protanomaly

13.4468, 9.7444, 8.7615

Deuteranomaly

14.4013, 10.0633, 4.9248

Tritanomaly

22.1226, 11.7901, 2.9435

Monochromacy



Original Color

22.7392, 11.8172, 5.6399

Achromatopsia

6.1596, 6.4803, 7.0571

Achromatomaly

9.3864, 6.4116, 6.2117

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.7392, 11.8172, 5.6399 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, 12, 62)` looks like.

```
.text, #text, p{  
    color:rgb(192, 12, 62)  
}
```

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, 12, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 12, 62) }
```

Border

The CSS property to change the border of an element to XYZ 22.7392, 11.8172, 5.6399 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, 12, 62) }
```


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

```
.border{ border-color:rgb(192, 12, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 12, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 12, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 12, 62);  
box-shadow:4px 4px 4px 4px rgb(192, 12,  
62) }
```

Background

The CSS property to change the background color of an element to XYZ 22.7392, 11.8172, 5.6399 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 12, 62) }
```

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

```
.background{ background-color: rgb(192, 12,  
62) }
```

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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