

Converting Colors

XYZ(19.6717, 5.7338, 4.0463)

Have a look what the booklet for
XYZ(19.6717, 5.7338, 4.0463)
contains.

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Color

**XYZ(22.5019, 11.5120,
5.0390)**

Conversions

Conversions Part 1

Format	Color
Hex	C0003A
RGB	192, 0, 58
RGB Percent	75%, 0%, 23%
CMY	0.2471, 0.9998, 0.7725
CMYK	0.00, 1.00, 0.70, 0.25
HSL	342°, 100%, 38%
HSV	342°, 100%, 75%
XYZ	22.5019, 11.5120, 5.0390
YIQ	64.0200, 95.8140, 58.7420

Conversions

Conversions Part 2

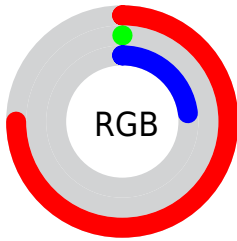
Format	Color
RYB	192, 0, 58
Decimal	12582970
CIELab	40.43, 66.08, 25.49
CIElCh	40, 70.825, 21.092
Yxy	11.5120, 0.5762, 0.2948
Android (android.graphics.Color)	4290773050 (0xFFC0003A)
YUV	64.0200, -2.9679, 112.2385
Hunter-Lab	33.9293, 59.0047, 14.9451

Details

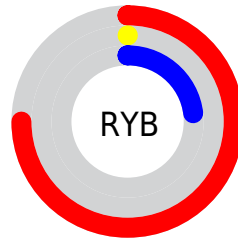
The XYZ color **22.5019, 11.5120, 5.0390** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **23.1558, 39.4215, 28.9575**, and the grayscale version is **4.8737, 5.1275, 5.5839**.

A 20% lighter version of the original color is **46.8831, 28.4664, 16.3882**, and **9.3071, 4.7863, 0.9636** is the 20% darker color. If you saturate the color by 10%, you get **22.5010, 11.5115, 5.0352**, and if you desaturate by 10%, it is **23.1253, 12.1404, 7.1537**.

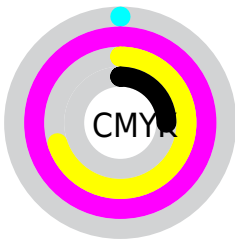
Distribution



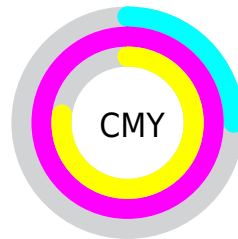
- Red (75%)
- Green (0%)
- Blue (23%)



- Red (75%)
- Yellow (0%)
- Blue (23%)



- Cyan (0%)
- Magenta (100%)
- Yellow (70%)
- Black (25%)





- Cyan (25%)
- Magenta (100%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.5019, 11.5120, 5.0390 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 22.5019, 11.5120, 5.0390 by changing the saturation by 10% instead.


 22.5019, 11.5120,
5.0390


 22.5019, 11.5120,
5.0390


257.7396,
201.1473, 159.1554


 14.3448, 6.4123,
2.2110


 47.0468, 28.6031,
16.3428


 8.4442, 3.0974,
0.6807


 64.1654, 41.3634,
25.6557

 4.4346, 1.1828,
0.0000

 85.0019, 57.4459,
37.9674

 1.9508, 0.0476,
0.0000

 109.9215, 77.2352,
53.6963

 0.6061, 0.0000,
0.0000

 139.2898,
101.1156, 73.2610

 0.0000, 0.0000,
0.0000

 173.4720,

129.4715, 97.0800

212.8335,
162.6872, 125.5720

■ 22.5019, 11.5120,
5.0390

■ 22.5019, 11.5120,
5.0390

■ 22.5010, 11.5115,
5.0352

■ 23.1253, 12.1404,
7.1537

■ 24.0773, 13.2737,
9.8469

■ 25.4474, 15.0821,
13.1768

■ 27.2837, 17.6530,
17.1853

■ 29.6271, 21.0605,
21.9102

■ 32.5138, 25.3697,
27.3863

■ 35.9768, 30.6396,
33.6461

■ 40.0460, 36.9236,
40.7197

■ 44.7497, 44.2717,
48.6359

Harmonies

Analogous

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



23.3617, 11.5120, 17.2695



22.5019, 11.5120, 5.0390



18.1100, 11.5120, 1.0214

Triad

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



22.5019, 11.5120, 5.0390



5.0621, 11.5120, 2.0044



9.5274, 11.5120, 63.6904

Complementary

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



22.5019, 11.5120, 5.0390



23.1558, 39.4215, 28.9575

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.



5.9695, 11.5120, 48.1805



22.5019, 11.5120, 5.0390



3.9549, 11.5120, 8.7555

Square

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



22.5019, 11.5120, 5.0390



7.8500, 11.5120, 0.2535



4.2273, 11.5120, 25.1913



14.7544, 11.5120, 59.3487

Rectangle

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



22.5019, 11.5120, 5.0390



14.3407, 11.5120, 0.1890



4.2273, 11.5120, 25.1913



8.1275, 11.5120, 60.3603

Sweetspot

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



22.5022, 11.5127, 5.0392



64.8479, 54.9954, 60.3614



18.9078, 8.6489, 50.5415



13.3167, 10.8889, 11.8839



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.



22.5022, 11.5127, 5.0392



40.6741, 20.8198, 8.6132



22.3461, 12.4223, 1.2211



10.1956, 10.1268, 11.1205



15.1715, 7.7584, 3.5493



0.6868, 0.3477, 0.3183

Inverse Universe

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



22.5022, 11.5127, 5.0392



40.6741, 20.8198, 8.6132



21.5391, 27.8546, 54.1099



10.1956, 10.1268, 11.1205



15.1715, 7.7584, 3.5493



0.6868, 0.3477, 0.3183

Previews

White Background



This preview shows how the XYZ color 22.5019, 11.5120, 5.0390 looks on a white background.

Color Contrast Check

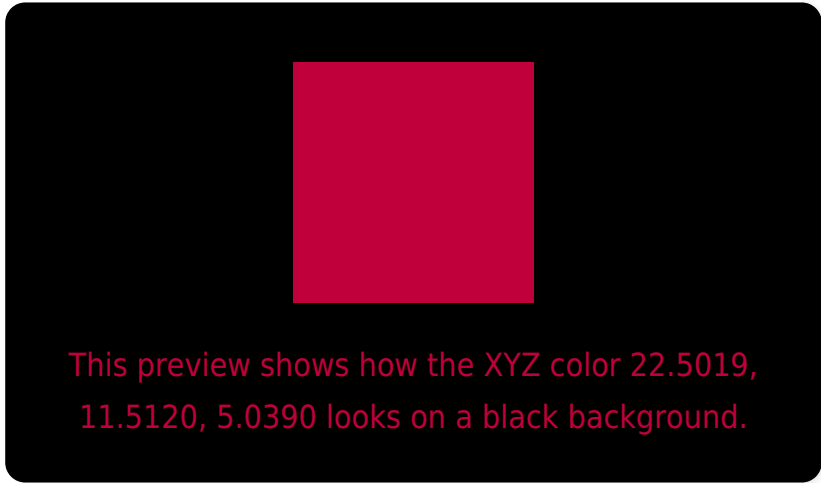
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.5019, 11.5120, 5.0390

Background



This preview shows how black text looks on a background with the XYZ color 22.5019, 11.5120, 5.0390.



This preview shows how white text looks on a background with the XYZ color 22.5019, 11.5120,

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

22.5019, 11.5120, 5.0390

Protanopia

11.5269, 12.2320, 10.5576

Deuteranopia

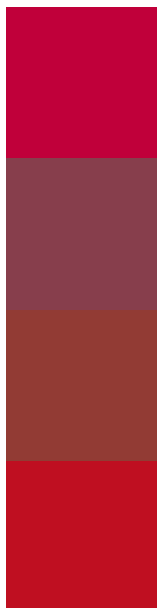
12.2145, 12.0435, 4.5866



Tritanopia

21.9300, 11.7767, 1.7334

Trichromacy



Original Color

22.5019, 11.5120, 5.0390

Protanomaly

13.0188, 9.1179, 7.9113

Deuteranomaly

14.0379, 9.4869, 4.3401

Tritanomaly

21.9312, 11.5278, 2.5080

Monochromacy



Original Color

22.5019, 11.5120, 5.0390

Achromatopsia

4.8732, 5.1269, 5.5832

Achromatomaly

8.2180, 5.3132, 5.1498

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.5019, 11.5120, 5.0390 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, 58)` looks like.

```
.text, #text, p{  
    color:rgb(192, 0, 58)  
}
```

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, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 0, 58) }
```

Border

The CSS property to change the border of an element to XYZ 22.5019, 11.5120, 5.0390 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, 58) }
```


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

```
.border{ border-color:rgb(192, 0, 58) }
```

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, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 0, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 0, 58);  
box-shadow:4px 4px 4px 4px rgb(192, 0, 58)  
}
```

Background

The CSS property to change the background color of an element to XYZ 22.5019, 11.5120, 5.0390 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, 58) }
```

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

```
.background{ background-color: rgb(192, 0,  
58) }
```

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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