

Converting Colors

XYZ(22.7874, 11.6642, 4.8211)

Have a look what the booklet for
XYZ(22.7874, 11.6642, 4.8211)
contains.

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Color

**XYZ(22.7061, 11.6230,
4.7881)**

Conversions

Conversions Part 1

Format	Color
Hex	C10038
RGB	193, 0, 56
RGB Percent	76%, 0%, 22%
CMY	0.2431, 0.9998, 0.7804
CMYK	0.00, 1.00, 0.71, 0.24
HSL	343°, 100%, 38%
HSV	343°, 100%, 76%
XYZ	22.7061, 11.6230, 4.7881
YIQ	64.0910, 97.0520, 58.3320

Conversions

Conversions Part 2

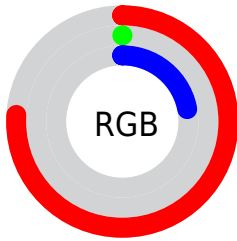
Format	Color
R_YB	193, 0, 56
Decimal	12648504
CIE Lab	40.61, 66.23, 27.01
CIE LCh	41, 71.530, 22.186
Yxy	11.6230, 0.5805, 0.2971
Android (android.graphics.Color)	4290838584 (0xFFC10038)
YUV	64.0910, -3.9889, 113.0532
Hunter-Lab	34.0925, 59.2216, 15.5378

Details

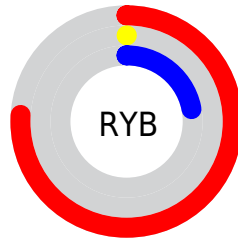
The XYZ color **22.7061, 11.6230, 4.7881** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **23.5884, 39.9471, 30.1486**, and the grayscale version is **4.8856, 5.1400, 5.5975**.

A 20% lighter version of the original color is **46.8585, 28.5799, 15.8787**, and **9.4463, 4.8598, 0.8921** is the 20% darker color. If you saturate the color by 10%, you get **22.7053, 11.6226, 4.7845**, and if you desaturate by 10%, it is **23.3269, 12.2531, 6.8809**.

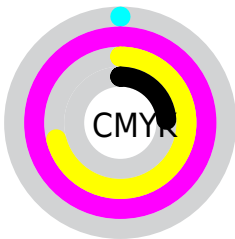
Distribution



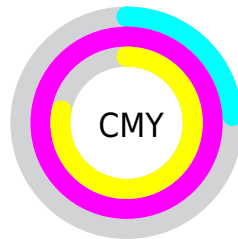
- Red (76%)
- Green (0%)
- Blue (22%)



- Red (76%)
- Yellow (0%)
- Blue (22%)



- Cyan (0%)
- Magenta (100%)
- Yellow (71%)
- Black (24%)



- Cyan (24%)
- Magenta (100%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.7061, 11.6230, 4.7881 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 22.7061, 11.6230, 4.7881 by changing the saturation by 10% instead.

■ 22.7061, 11.6230,
4.7881

■ 22.7061, 11.6230,
4.7881

258.7755,
201.8932, 156.6192

■ 14.4961, 6.4875,
2.0669

■ 47.3805, 28.8066,
15.7900

■ 8.5505, 3.1437,
0.5960

■ 64.5757, 41.6235,
24.9079

■ 4.5039, 1.2072,
0.0000

■ 85.4966, 57.7697,
36.9950

■ 1.9910, 0.0676,
0.0000

■ 110.5087, 77.6295,
52.4700

■ 0.6289, 0.0000,
0.0000

■ 139.9773,
101.5873, 71.7514

■ 0.0000, 0.0000,
0.0000

■ 174.2677,

130.0277, 95.2577

213.7453,
163.3348, 123.4074

■ 22.7061, 11.6230,
4.7881

■ 22.7061, 11.6230,
4.7881

■ 22.7053, 11.6226,
4.7845

■ 23.3269, 12.2531,
6.8809

■ 24.2829, 13.3956,
9.5717

■ 25.6648, 15.2224,
12.9213

■ 27.5216, 17.8221,
16.9739

■ 29.8950, 21.2700,
21.7694

■ 32.8221, 25.6322,
27.3446

■ 36.3363, 30.9684,
33.7334

■ 40.4685, 37.3329,
40.9678

■ 45.2472, 44.7763,
49.0779

Harmonies

Analogous

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



23.7383, 11.6230, 16.8277



22.7061, 11.6230, 4.7881



18.1384, 11.6230, 0.9445

Triad

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



22.7061, 11.6230, 4.7881



5.0124, 11.6230, 2.1135



9.7784, 11.6230, 65.0787

Complementary

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



22.7061, 11.6230, 4.7881



23.5884, 39.9471, 30.1486

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.



6.0973, 11.6230, 49.8187



22.7061, 11.6230, 4.7881



3.9469, 11.6230, 9.2371

Square

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



22.7061, 11.6230, 4.7881



7.7698, 11.6230, 0.2646



4.2722, 11.6230, 26.3381



15.1371, 11.6230, 59.8572

Rectangle

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



22.7061, 11.6230, 4.7881



14.2940, 11.6230, 0.1341



4.2722, 11.6230, 26.3381



8.3337, 11.6230, 61.9264

Sweetspot

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



22.7064, 11.6237, 4.7883



64.7454, 54.9544, 59.8215



19.6356, 9.0112, 51.1561



13.2928, 10.8794, 11.7584



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.



22.7064, 11.6237, 4.7883



40.5738, 20.7796, 8.0848



22.7058, 12.7644, 1.2682



10.1907, 10.1249, 11.0946



15.1324, 7.7427, 3.3432



0.6847, 0.3469, 0.3069

Inverse Universe

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



22.7064, 11.6237, 4.7883



40.5738, 20.7796, 8.0848



21.2490, 27.0963, 54.5618



10.1907, 10.1249, 11.0946



15.1324, 7.7427, 3.3432



0.6847, 0.3469, 0.3069

Previews

White Background



This preview shows how the XYZ color 22.7061, 11.6230, 4.7881 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 22.7061, 11.6230, 4.7881 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 22.7061, 11.6230, 4.7881

Background



This preview shows how black text looks on a background with the XYZ color 22.7061, 11.6230, 4.7881.



This preview shows how white text looks on a background with the XYZ color 22.7061, 11.6230,

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

22.7061, 11.6230, 4.7881

Protanopia

11.5225, 12.2435, 9.9395

Deuteranopia

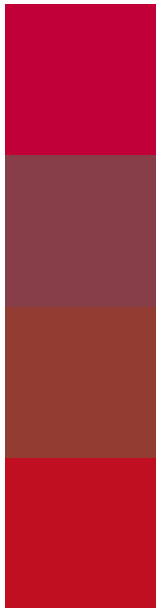
12.3810, 12.2676, 4.3001



Tritanopia

22.1538, 11.8629, 1.6944

Trichromacy



Original Color

22.7061, 11.6230, 4.7881

Protanomaly

13.0786, 9.1605, 7.3822

Deuteranomaly

14.2242, 9.6651, 4.1335

Tritanomaly

22.1698, 11.6524, 2.4472

Monochromacy



Original Color

22.7061, 11.6230, 4.7881

Achromatopsia

4.8732, 5.1269, 5.5832

Achromatomaly

8.1908, 5.3023, 5.0066

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.7061, 11.6230, 4.7881 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, 56)` looks like.

```
.text, #text, p{  
    color:rgb(193, 0, 56)  
}
```

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, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 0, 56) }
```

Border

The CSS property to change the border of an element to XYZ 22.7061, 11.6230, 4.7881 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, 56) }
```


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

```
.border{ border-color:rgb(193, 0, 56) }
```

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, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 0, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 0, 56);  
box-shadow:4px 4px 4px 4px rgb(193, 0, 56)  
}
```

Background

The CSS property to change the background color of an element to XYZ 22.7061, 11.6230, 4.7881 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, 56) }
```

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

```
.background{ background-color: rgb(193, 0,  
56) }
```

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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