

Converting Colors

XYZ(22.8589, 11.7884, 1.0706)

Have a look what the booklet for
XYZ(22.8589, 11.7884, 1.0706)
contains.

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Color

**XYZ(22.7650, 11.7358,
1.0654)**

Conversions

Conversions Part 1

Format	Color
Hex	C40000
RGB	196, 0, 0
RGB Percent	77%, 0%, 0%
CMY	0.2314, 0.9998, 1.0000
CMYK	0.00, 1.00, 1.00, 0.23
HSL	0°, 100%, 38%
HSV	0°, 100%, 77%
XYZ	22.7650, 11.7358, 1.0654
YIQ	58.6040, 116.8160, 41.5520

Conversions

Conversions Part 2

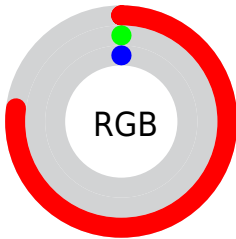
Format	Color
RYB	196, 0, 0
Decimal	12845056
CIELab	40.79, 65.72, 55.14
CIElCh	41, 85.785, 40.000
Yxy	11.7358, 0.6401, 0.3300
Android (android.graphics.Color)	4291035136 (0xFFC40000)
YUV	58.6040, -28.8918, 120.4963
Hunter-Lab	34.2576, 58.6670, 22.1364

Details

The XYZ color **22.7650, 11.7358, 1.0654** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **29.6948, 43.4475, 59.0453**, and the grayscale version is **4.1330, 4.3482, 4.7352**.

A 20% lighter version of the original color is **44.9308, 27.6855, 6.1077**, and **9.5157, 4.9055, 0.4453** is the 20% darker color. If you saturate the color by 10%, you get **22.7652, 11.7365, 1.0655**, and if you desaturate by 10%, it is **23.1313, 12.2724, 1.7930**.

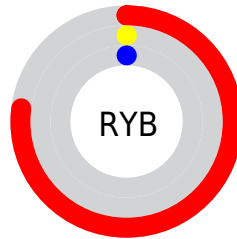
Distribution



Red (77%)

Green (0%)

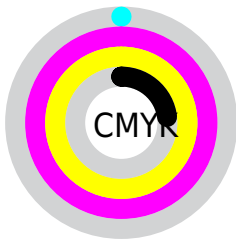
Blue (0%)



Red (77%)

Yellow (0%)

Blue (0%)

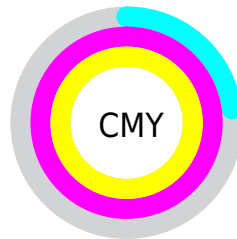


Cyan (0%)

Magenta (100%)

Yellow (100%)

Black (23%)



Cyan (23%)


Magenta (100%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 22.7650, 11.7358, 1.0654 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 22.7650, 11.7358, 1.0654 by changing the saturation by 10% instead.


 22.7650, 11.7358,
1.0654


 22.7650, 11.7358,
1.0654


 259.0736,
202.6483, 105.5687


 14.5398, 6.5640,
0.0000


 47.4767, 29.0130,
6.2768

 8.5813, 3.1910,
0.0000


 64.6939, 41.8872,
11.4865


 4.5240, 1.2322,
0.0000

 85.6391, 58.0977,
18.9902

 2.0026, 0.0878,
0.0000

 110.6778, 78.0289,
29.2066

 0.6354, 0.0000,
0.0000


 140.1752,
102.0652, 42.5540


 0.0000, 0.0000,
0.0000


 174.4968,


130.5909, 59.4512


 214.0078,
163.9905, 80.3166


 22.7650, 11.7358,
1.0654


 22.7650, 11.7358,
1.0654


 22.7652, 11.7365,
1.0655

 23.1313, 12.2724,
1.7930

 23.8675, 13.3498,
3.2558

 25.1042, 15.1597,
5.7136

 26.9090, 17.8008,
9.3010

 29.3390, 21.3567,
14.1314

■ 32.4445, 25.9009,
20.3048

■ 36.2705, 31.4994,
27.9108

■ 40.8582, 38.2124,
37.0314

■ 46.2458, 46.0957,
47.7424

Harmonies

Analogous

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



27.1471, 11.7358, 7.7886



22.7650, 11.7358, 1.0654



15.6652, 11.7358, 0.0000

Triad

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



22.7650, 11.7358, 1.0654



3.3654, 11.7358, 4.3898



13.3173, 11.7358, 82.5946

Complementary

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



22.7650, 11.7358, 1.0654



29.6948, 43.4475, 59.0453

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.



7.6053, 11.7358, 77.4480



22.7650, 11.7358, 1.0654



3.1330, 11.7358, 19.5424

Square

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



22.7650, 11.7358, 1.0654



5.1871, 11.7358, 0.3228



4.3671, 11.7358, 48.8048



20.5178, 11.7358, 59.6339

Rectangle

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



22.7650, 11.7358, 1.0654



11.1545, 11.7358, 0.0000



4.3671, 11.7358, 48.8048



11.1545, 11.7358, 84.3778

Sweetspot

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



22.7652, 11.7366, 1.0656



65.3493, 56.5407, 49.8523



32.7286, 15.7212, 53.5337



13.3228, 11.1294, 9.3491



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.



22.7652, 11.7366, 1.0656



41.2406, 21.2611, 1.9302



27.1325, 20.4711, 2.5213



10.0734, 10.0782, 10.4762



14.6278, 7.5414, 0.6847



0.6321, 0.3260, 0.0296

Inverse Universe

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



29.6948, 43.4475, 59.0453



53.7938, 78.7076, 106.9646



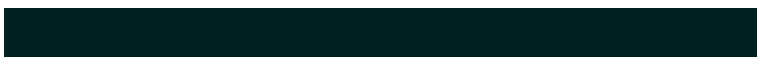
14.3315, 12.7209, 53.9242



10.3684, 11.4281, 12.9442



19.0804, 27.9173, 37.9396



0.8245, 1.2063, 1.6393

Previews

White Background



This preview shows how the XYZ color 22.7650, 11.7358, 1.0654 looks on a white background.

Color Contrast Check

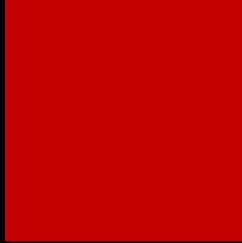
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.7650, 11.7358, 1.0654 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 22.7650, 11.7358, 1.0654

Background



This preview shows how black text looks on a background with the XYZ color 22.7650, 11.7358, 1.0654.



This preview shows how white text looks on a background with the XYZ color 22.7650, 11.7358,

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

22.7650, 11.7358, 1.0654

Protanopia

11.1929, 12.3734, 2.7181

Deuteranopia

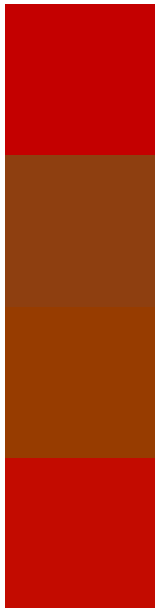
12.4602, 12.3654, 1.7300



Tritanopia

22.4644, 11.9019, 1.1133

Trichromacy



Original Color

22.7650, 11.7358, 1.0654

Protanomaly

13.0264, 9.3432, 1.6071

Deuteranomaly

14.3784, 9.8110, 1.1359

Tritanomaly

22.6253, 11.8414, 1.0931

Monochromacy



Original Color

22.7650, 11.7358, 1.0654

Achromatopsia

4.1570, 4.3735, 4.7627

Achromatomaly

7.3496, 4.7774, 2.3685

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.7650, 11.7358, 1.0654 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(196, 0, 0)` looks like.

```
.text, #text, p{  
    color:rgb(196, 0, 0)  
}
```

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(196, 0, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 0, 0) }
```

Border

The CSS property to change the border of an element to XYZ 22.7650, 11.7358, 1.0654 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(196, 0, 0) }
```


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

```
.border{ border-color:rgb(196, 0, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 0, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 0, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(196, 0, 0); box-shadow:4px  
4px 4px 4px rgb(196, 0, 0) }
```

Background

The CSS property to change the background color of an element to XYZ 22.7650, 11.7358, 1.0654 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 0, 0) }
```

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

```
.background{ background-color: rgb(196, 0,  
0) }
```

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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