

Converting Colors

XYZ(22.9783, 11.8316, 1.7129)

Have a look what the booklet for
XYZ(22.9783, 11.8316, 1.7129)
contains.

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Color

**XYZ(22.8912, 11.7863,
1.7303)**

Conversions

Conversions Part 1

Format	Color
Hex	C40014
RGB	196, 0, 20
RGB Percent	77%, 0%, 8%
CMY	0.2314, 0.9998, 0.9216
CMYK	0.00, 1.00, 0.90, 0.23
HSL	354°, 100%, 38%
HSV	354°, 100%, 77%
XYZ	22.8912, 11.7863, 1.7303
YIQ	60.8840, 110.3960, 47.7720

Conversions

Conversions Part 2

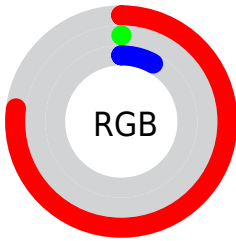
Format	Color
RYB	196, 0, 20
Decimal	12845076
CIELab	40.87, 65.94, 47.78
CIElCh	41, 81.427, 35.926
Yxy	11.7863, 0.6287, 0.3237
Android (android.graphics.Color)	4291035156 (0xFFC40014)
YUV	60.8840, -20.1558, 118.4967
Hunter-Lab	34.3312, 58.9399, 21.0436

Details

The XYZ color **22.8912, 11.7863, 1.7303** 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 **27.5807, 42.6159, 47.8673**, and the grayscale version is **4.4390, 4.6701, 5.0858**.

A 20% lighter version of the original color is **45.3166, 27.8399, 8.1394**, and **9.5157, 4.9055, 0.4453** is the 20% darker color. If you saturate the color by 10%, you get **22.8907, 11.7860, 1.7286**, and if you desaturate by 10%, it is **23.3521, 12.3608, 2.9555**.

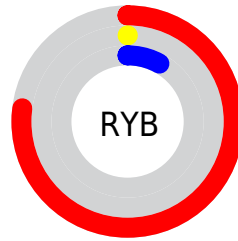
Distribution



Red (77%)

Green (0%)

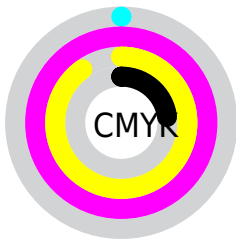
Blue (8%)



Red (77%)

Yellow (0%)

Blue (8%)

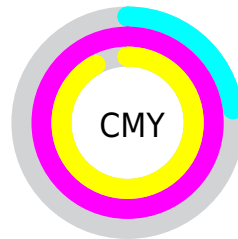


Cyan (0%)

Magenta (100%)

Yellow (90%)

Black (23%)



Cyan (23%)

Magenta (100%)

Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.8912, 11.7863, 1.7303 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 22.8912, 11.7863, 1.7303 by changing the saturation by 10% instead.

■ 22.8912, 11.7863,
1.7303

■ 22.8912, 11.7863,
1.7303

259.7115,
202.9854, 118.0375

■ 14.6334, 6.5983,
0.3814

■ 47.6826, 29.1053,
8.2894

■ 8.6472, 3.2122,
0.0000

■ 64.9469, 42.0051,
14.4463

■ 4.5670, 1.2435,
0.0000

■ 85.9442, 58.2443,
23.0794

■ 2.0277, 0.0968,
0.0000

■ 111.0397, 78.2074,
34.6073

■ 0.6494, 0.0000,
0.0000


■ 140.5988,
102.2786, 49.4485


■ 0.0000, 0.0000,
0.0000


■ 174.9869,


130.8424, 68.0215


 214.5694,
164.2832, 90.7450


 22.8912, 11.7863,
1.7303

 22.8912, 11.7863,
1.7303


 22.8907, 11.7860,
1.7286

 23.3521, 12.3608,
2.9555

 24.1928, 13.4804,
4.9675

 25.5169, 15.3258,
7.8839

 27.3838, 17.9926,
11.7953

 29.8440, 21.5618,
16.7814

■ 32.9425, 26.1048,
22.9135

■ 36.7197, 31.6856,
30.2569

■ 41.2128, 38.3630,
38.8720

■ 46.4561, 46.1913,
48.8151

Harmonies

Analogous

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



26.3780, 11.7863, 9.8073



22.8912, 11.7863, 1.7303



16.4008, 11.7863, 0.0000

Triad

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



22.8912, 11.7863, 1.7303



3.7890, 11.7863, 3.7110



12.3951, 11.7863, 78.1270

Complementary

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



22.8912, 11.7863, 1.7303



27.5807, 42.6159, 47.8673

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.



7.2382, 11.7863, 69.7448



22.8912, 11.7863, 1.7303



3.3636, 11.7863, 16.4252

Square

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



22.8912, 11.7863, 1.7303



5.8463, 11.7863, 0.3171



4.3765, 11.7863, 42.2150



19.1117, 11.7863, 60.0309

Rectangle

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



22.8912, 11.7863, 1.7303



12.0144, 11.7863, 0.0000



4.3765, 11.7863, 42.2150



10.4281, 11.7863, 78.4278

Sweetspot

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



22.8914, 11.7871, 1.7305



66.1540, 56.8577, 54.1051



27.2281, 12.8863, 53.2763



13.5051, 11.2013, 10.3126



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.



22.8914, 11.7871, 1.7305



41.4261, 21.3345, 2.9102



25.2918, 16.7894, 1.9089



10.1140, 10.0942, 10.6907



14.7238, 7.5793, 1.1915



0.6505, 0.3332, 0.1270

Inverse Universe

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



22.8914, 11.7871, 1.7305



41.4261, 21.3345, 2.9102



16.7873, 17.6319, 54.7425



10.1140, 10.0942, 10.6907



14.7238, 7.5793, 1.1915



0.6505, 0.3332, 0.1270

Previews

White Background



This preview shows how the XYZ color 22.8912, 11.7863, 1.7303 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 22.8912, 11.7863, 1.7303

Background



This preview shows how black text looks on a background with the XYZ color 22.8912, 11.7863, 1.7303.



This preview shows how white text looks on a background with the XYZ color 22.8912, 11.7863,

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

22.8912, 11.7863, 1.7303

Protanopia

11.2262, 12.3722, 3.5467

Deuteranopia

12.4602, 12.3654, 1.7300



Tritanopia

22.7220, 12.0347, 1.1254

Trichromacy



Original Color

22.8912, 11.7863, 1.7303

Protanomaly

13.0093, 9.3167, 2.4090

Deuteranomaly

14.4167, 9.8264, 1.3378

Tritanomaly

22.6637, 11.8568, 1.2951

Monochromacy



Original Color

22.8912, 11.7863, 1.7303

Achromatopsia

4.4355, 4.6665, 5.0818

Achromatomaly

7.6491, 4.9633, 3.1396

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.8912, 11.7863, 1.7303 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, 20)` looks like.

```
.text, #text, p{  
    color:rgb(196, 0, 20)  
}
```

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, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 0, 20) }
```

Border

The CSS property to change the border of an element to XYZ 22.8912, 11.7863, 1.7303 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, 20) }
```


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

```
.border{ border-color:rgb(196, 0, 20) }
```

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, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 0, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 0, 20);  
box-shadow:4px 4px 4px 4px rgb(196, 0, 20)  
}
```

Background

The CSS property to change the background color of an element to XYZ 22.8912, 11.7863, 1.7303 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, 20) }
```

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

```
.background{ background-color: rgb(196, 0,  
20) }
```

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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