

Converting Colors

XYZ(22.7953, 11.8792, 1.5807)

Have a look what the booklet for
XYZ(22.7953, 11.8792, 1.5807)
contains.

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Color

**XYZ(22.6969, 11.8349,
1.5783)**

Conversions

Conversions Part 1

Format	Color
Hex	C30910
RGB	195, 9, 16
RGB Percent	76%, 4%, 6%
CMY	0.2353, 0.9646, 0.9373
CMYK	0.00, 0.95, 0.92, 0.24
HSL	358°, 91%, 40%
HSV	358°, 95%, 76%
XYZ	22.6969, 11.8349, 1.5783
YIQ	65.4120, 108.6090, 41.6090

Conversions

Conversions Part 2

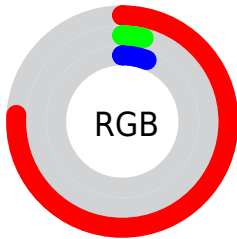
Format	Color
R_{YB}	195, 9, 16
Decimal	12781840
CIE Lab	40.95, 64.72, 49.43
CIE LCh	41, 81.435, 37.371
Yxy	11.8349, 0.6285, 0.3277
Android (android.graphics.Color)	4290971920 (0xFFC30910)
YUV	65.4120, -24.3601, 113.6487
Hunter-Lab	34.4019, 57.5634, 21.3612

Details

The XYZ color **22.6969, 11.8349, 1.5783** 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 **28.7094, 42.7208, 54.3317**, and the grayscale version is **5.1154, 5.3818, 5.8608**.

A 20% lighter version of the original color is **45.4650, 28.2745, 7.7639**, and **9.3601, 4.8253, 0.4380** is the 20% darker color. If you saturate the color by 10%, you get **22.5455, 11.6180, 1.2638**, and if you desaturate by 10%, it is **23.2336, 12.5783, 2.7756**.

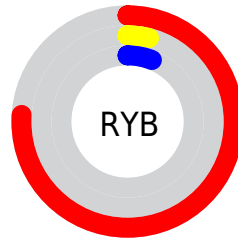
Distribution



Red (76%)

Green (4%)

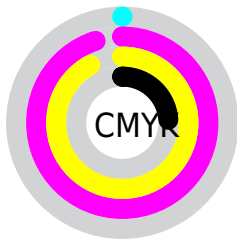
Blue (6%)



Red (76%)

Yellow (4%)

Blue (6%)

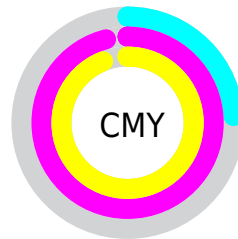


Cyan (0%)

Magenta (95%)

Yellow (92%)

Black (24%)



Cyan (24%)


Magenta (96%)


Yellow (94%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 22.6969, 11.8349, 1.5783 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 22.6969, 11.8349, 1.5783 by changing the saturation by 10% instead.


 22.6969, 11.8349,
1.5783


 22.6969, 11.8349,
1.5783

 258.7289,
203.3092, 115.4409


 14.4893, 6.6314,
0.2753


 47.3655, 29.1941,
7.8521


 8.5457, 3.2326,
0.0000


 64.5572, 42.1184,
13.8110

 4.5008, 1.2544,
0.0000

 85.4743, 58.3853,
22.2093

 1.9892, 0.1054,
0.0000

 110.4823, 78.3789,
33.4656

 0.6279, 0.0000,
0.0000


 139.9463,
102.4837, 47.9983


 0.0000, 0.0000,
0.0000


 174.2319,


131.0841, 66.2261


 213.7043,
164.5644, 88.5674


 22.6969, 11.8349,
1.5783


 22.6969, 11.8349,
1.5783


 22.5455, 11.6180,
1.2638

 23.2336, 12.5783,
2.7756

 24.2192, 13.9812,
4.8558

 25.7247, 16.1527,
7.9460

 27.8087, 19.1815,
12.1524

 30.5216, 23.1441,
17.5678

■ 33.9086, 28.1087,
24.2752

■ 38.0107, 34.1369,
32.3504

■ 42.8654, 41.2855,
41.8633

■ 48.5078, 49.6072,
52.8791

Harmonies

Analogous

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



26.4039, 11.8349, 9.1950



22.6969, 11.8349, 1.5783



16.1291, 11.8349, 0.0000

Triad

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



22.6969, 11.8349, 1.5783



3.7568, 11.8349, 4.0681



12.7470, 11.8349, 78.0027

Complementary

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



22.6969, 11.8349, 1.5783



28.7094, 42.7208, 54.3317

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.



7.4678, 11.8349, 70.9115



22.6969, 11.8349, 1.5783



3.3985, 11.8349, 17.4527

Square

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



22.6969, 11.8349, 1.5783



5.7302, 11.8349, 0.4118



4.4914, 11.8349, 43.7858



19.5036, 11.8349, 58.8478

Rectangle

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



22.6969, 11.8349, 1.5783



11.7700, 11.8349, 0.0000



4.4914, 11.8349, 43.7858



10.7430, 11.8349, 78.7732

Sweetspot

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



22.6971, 11.8357, 1.5785



64.9176, 56.4924, 51.7276



30.1256, 14.5381, 52.8477



13.5324, 11.3666, 9.9807



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.



22.6971, 11.8357, 1.5785



40.3598, 20.8003, 2.1590



26.4450, 19.4017, 2.6107



10.0881, 10.0839, 10.5547



14.6604, 7.5539, 0.8580



0.6388, 0.3285, 0.0654

Inverse Universe

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



22.6971, 11.8357, 1.5785



40.3598, 20.8003, 2.1590



15.6825, 15.4367, 53.7824



10.0881, 10.0839, 10.5547



14.6604, 7.5539, 0.8580



0.6388, 0.3285, 0.0654

Previews

White Background



This preview shows how the XYZ color 22.6969, 11.8349, 1.5783 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 22.6969, 11.8349, 1.5783 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 22.6969, 11.8349, 1.5783

Background



This preview shows how black text looks on a background with the XYZ color 22.6969, 11.8349, 1.5783.



This preview shows how white text looks on a background with the XYZ color 22.6969, 11.8349,

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

22.6969, 11.8349, 1.5783

Protanopia

11.1668, 12.3485, 3.2338

Deuteranopia

12.3149, 12.2905, 1.7232



Tritanopia

22.4644, 11.9019, 1.1133

Trichromacy



Original Color

22.6969, 11.8349, 1.5783

Protanomaly

13.1305, 9.6383, 2.2052

Deuteranomaly

14.3881, 10.0522, 1.3542

Tritanomaly

22.4518, 11.8241, 1.2712

Monochromacy



Original Color

22.6969, 11.8349, 1.5783

Achromatopsia

5.0244, 5.2861, 5.7565

Achromatomaly

8.1336, 5.5268, 3.3274

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.6969, 11.8349, 1.5783 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(195, 9, 16)` looks like.

```
.text, #text, p{  
    color:rgb(195, 9, 16)  
}
```

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(195, 9, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 9, 16) }
```

Border

The CSS property to change the border of an element to XYZ 22.6969, 11.8349, 1.5783 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(195, 9, 16) }
```


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

```
.border{ border-color:rgb(195, 9, 16) }
```

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

Here you see how a box with a 4 pixel rgb(195, 9, 16) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 9, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 9, 16);  
box-shadow:4px 4px 4px 4px rgb(195, 9, 16)  
}
```

Background

The CSS property to change the background color of an element to XYZ 22.6969, 11.8349, 1.5783 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 9, 16) }
```

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

```
.background{ background-color: rgb(195, 9,  
16) }
```

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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