

Converting Colors

XYZ(20.0348, 7.2762, 0.0000)

Have a look what the booklet for
XYZ(20.0348, 7.2762, 0.0000)
contains.

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Color

**XYZ(22.2481, 11.4693,
1.0412)**

Conversions

Conversions Part 1

Format	Color
Hex	C20000
RGB	194, 0, 0
RGB Percent	76%, 0%, 0%
CMY	0.2392, 0.9999, 1.0000
CMYK	0.00, 1.00, 1.00, 0.24
HSL	0°, 100%, 38%
HSV	0°, 100%, 76%
XYZ	22.2481, 11.4693, 1.0412
YIQ	58.0060, 115.6240, 41.1280

Conversions

Conversions Part 2

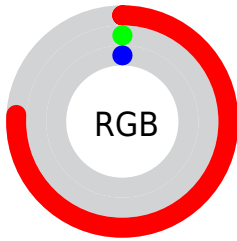
Format	Color
RYB	194, 0, 0
Decimal	12713984
CIELab	40.36, 65.21, 54.72
CIELCh	40, 85.131, 40.000
Yxy	11.4693, 0.6401, 0.3300
Android (android.graphics.Color)	4290904064 (0xFFC20000)
YUV	58.0060, -28.5970, 119.2667
Hunter-Lab	33.8664, 57.9973, 21.8836

Details

The XYZ color **22.2481, 11.4693, 1.0412** 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 **29.0210, 42.4620, 57.7049**, and the grayscale version is **4.0515, 4.2625, 4.6419**.

A 20% lighter version of the original color is **44.9308, 27.6855, 6.1077**, and **9.2059, 4.7458, 0.4308** is the 20% darker color. If you saturate the color by 10%, you get **22.2483, 11.4700, 1.0413**, and if you desaturate by 10%, it is **22.6092, 11.9982, 1.7584**.

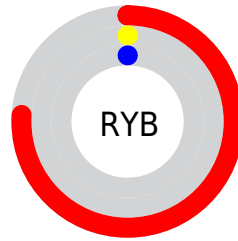
Distribution



Red (76%)

Green (0%)

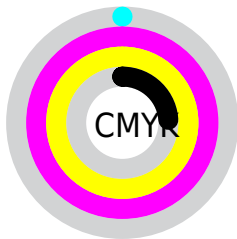
Blue (0%)



Red (76%)

Yellow (0%)

Blue (0%)

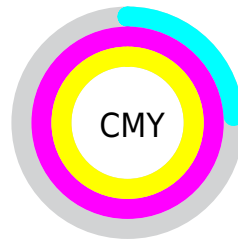


Cyan (0%)

Magenta (100%)

Yellow (100%)

Black (24%)



Cyan (24%)


Magenta (100%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 22.2481, 11.4693, 1.0412 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 22.2481, 11.4693, 1.0412 by changing the saturation by 10% instead.


 22.2481, 11.4693,
1.0412


 22.2481, 11.4693,
1.0412


 256.4473,
200.8595, 105.0474


 14.1569, 6.3834,
0.0000


 46.6315, 28.5248,
6.1976


 8.3123, 3.0796,
0.0000


 63.6545, 41.2632,
11.3679

 4.3489, 1.1734,
0.0000

 84.3854, 57.3212,
18.8243

 1.9014, 0.0398,
0.0000

 109.1897, 77.0832,
28.9854


 0.5776, 0.0000,
0.0000


 138.4327,
100.9337, 42.2697


 0.0000, 0.0000,
0.0000


 172.4797,


129.2570, 59.0958


 211.6961,
162.4374, 79.8822


 22.2481, 11.4693,
1.0412


 22.2481, 11.4693,
1.0412


 22.2483, 11.4700,
1.0413

 22.6092, 11.9982,
1.7584

 23.3308, 13.0543,
3.1923

 24.5413, 14.8257,
5.5980

 26.3064, 17.4089,
9.1066

 28.6821, 20.8852,
13.8289

■ 31.7170, 25.3262,
19.8622

■ 35.4553, 30.7964,
27.2939

■ 39.9371, 37.3544,
36.2038

■ 45.1996, 45.0547,
46.6661

Harmonies

Analogous

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



26.5307, 11.4693, 7.6117



22.2481, 11.4693, 1.0412



15.3095, 11.4693, 0.0000

Triad

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



22.2481, 11.4693, 1.0412



3.2890, 11.4693, 4.2901



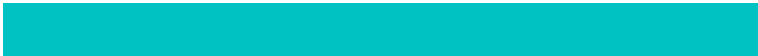
13.0149, 11.4693, 80.7194

Complementary

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



22.2481, 11.4693, 1.0412



29.0210, 42.4620, 57.7049

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.



7.4325, 11.4693, 75.6895



22.2481, 11.4693, 1.0412



3.0618, 11.4693, 19.0986

Square

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



22.2481, 11.4693, 1.0412



5.0694, 11.4693, 0.3057



4.2679, 11.4693, 47.6966



20.0518, 11.4693, 58.2799

Rectangle

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



22.2481, 11.4693, 1.0412



10.9012, 11.4693, 0.0000



4.2679, 11.4693, 47.6966



10.9012, 11.4693, 82.4620

Sweetspot

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



22.2483, 11.4700, 1.0414



63.8842, 55.2800, 48.7492



31.9854, 15.3643, 52.3182



13.3227, 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.



22.2483, 11.4700, 1.0414



40.3086, 20.7806, 1.8866



26.5226, 20.0186, 2.4661



10.0734, 10.0782, 10.4762



14.6278, 7.5414, 0.6847



0.6321, 0.3259, 0.0296

Inverse Universe

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



29.0210, 42.4620, 57.7049



52.5790, 76.9307, 104.5477



14.0122, 12.4444, 52.7019



10.3684, 11.4281, 12.9442



19.0807, 27.9179, 37.9397



0.8245, 1.2064, 1.6393

Previews

White Background



This preview shows how the XYZ color 22.2481, 11.4693, 1.0412 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 22.2481, 11.4693, 1.0412

Background



This preview shows how black text looks on a background with the XYZ color 22.2481, 11.4693, 1.0412.



This preview shows how white text looks on a background with the XYZ color 22.2481, 11.4693,

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

22.2481, 11.4693, 1.0412

Protanopia

10.9736, 12.1205, 2.6808

Deuteranopia

12.0827, 12.0397, 1.6871



Tritanopia

21.9545, 11.6391, 1.0894

Trichromacy



Original Color

22.2481, 11.4693, 1.0412

Protanomaly

12.8007, 9.1454, 1.5808

Deuteranomaly

13.9584, 9.5175, 1.1014

Tritanomaly

22.1120, 11.5768, 1.0691

Monochromacy



Original Color

22.2481, 11.4693, 1.0412

Achromatopsia

4.0217, 4.2311, 4.6077

Achromatomaly

7.0589, 4.5825, 2.2627

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.2481, 11.4693, 1.0412 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(194, 0, 0)` looks like.

```
.text, #text, p{  
    color:rgb(194, 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(194, 0, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 0, 0) }
```

Border

The CSS property to change the border of an element to XYZ 22.2481, 11.4693, 1.0412 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(194, 0, 0) }
```


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

```
.border{ border-color:rgb(194, 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(194, 0, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 0, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(194, 0, 0); box-shadow:4px  
4px 4px 4px rgb(194, 0, 0) }
```

Background

The CSS property to change the background color of an element to XYZ 22.2481, 11.4693, 1.0412 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 0, 0) }
```

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

```
.background{ background-color: rgb(194, 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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