

Converting Colors

XYZ(22.9373, 11.8152, 1.4970)

Have a look what the booklet for
XYZ(22.9373, 11.8152, 1.4970)
contains.

XYZ(22.8442, 11.7675, 1.4828)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(22.8442, 11.7675,
1.4828)**

Conversions

Conversions Part 1

Format	Color
Hex	C4000E
RGB	196, 0, 14
RGB Percent	77%, 0%, 5%
CMY	0.2314, 0.9998, 0.9451
CMYK	0.00, 1.00, 0.93, 0.23
HSL	356°, 100%, 38%
HSV	356°, 100%, 77%
XYZ	22.8442, 11.7675, 1.4828
YIQ	60.2000, 112.3220, 45.9060

Conversions

Conversions Part 2

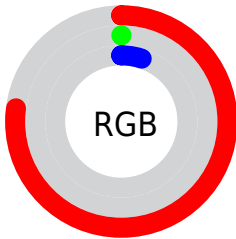
Format	Color
R_{YB}	196, 0, 14
Decimal	12845070
CIE Lab	40.84, 65.85, 50.25
CIE LCh	41, 82.834, 37.343
Yxy	11.7675, 0.6329, 0.3260
Android (android.graphics.Color)	4291035150 (0xFFC4000E)
YUV	60.2000, -22.7766, 119.0966
Hunter-Lab	34.3038, 58.8383, 21.4498

Details

The XYZ color **22.8442, 11.7675, 1.4828** 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 **28.1879, 42.8588, 51.0646**, and the grayscale version is **4.3459, 4.5722, 4.9791**.

A 20% lighter version of the original color is **45.1756, 27.7834, 7.3966**, and **9.5157, 4.9055, 0.4453** is the 20% darker color. If you saturate the color by 10%, you get **22.8437, 11.7672, 1.4814**, and if you desaturate by 10%, it is **23.2721, 12.3288, 2.5342**.

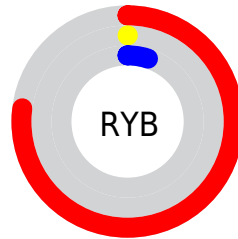
Distribution



Red (77%)

Green (0%)

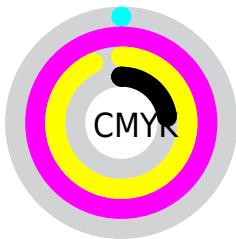
Blue (5%)



Red (77%)

Yellow (0%)

Blue (5%)

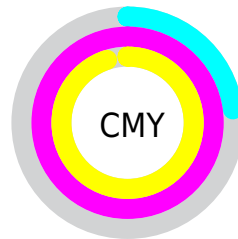


Cyan (0%)

Magenta (100%)

Yellow (93%)

Black (23%)



Cyan (23%)


Magenta (100%)


Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.8442, 11.7675, 1.4828 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 22.8442, 11.7675, 1.4828 by changing the saturation by 10% instead.


 22.8442, 11.7675,
1.4828


 22.8442, 11.7675,
1.4828


 259.4741,
202.8599, 113.7441


 14.5986, 6.5856,
0.2051


 47.6059, 29.0709,
7.5714


 8.6226, 3.2043,
0.0000


 64.8527, 41.9612,
13.4011


 4.5510, 1.2393,
0.0000

 85.8306, 58.1898,
21.6459

 2.0183, 0.0935,
0.0000

 110.9050, 78.1410,
32.7242

 0.6442, 0.0000,
0.0000


 140.4411,
102.1992, 47.0547


 0.0000, 0.0000,
0.0000


 174.8045,


130.7488, 65.0558


 214.3603,
164.1743, 87.1461


 22.8442, 11.7675,
1.4828


 22.8442, 11.7675,
1.4828


 22.8437, 11.7672,
1.4814

 23.2721, 12.3288,
2.5342

 24.0828, 13.4364,
4.3882

 25.3827, 15.2722,
7.1773

 27.2334, 17.9325,
11.0033

 29.6871, 21.4991,
15.9549

■ 32.7901, 26.0438,
22.1109

■ 36.5842, 31.6314,
29.5434

■ 41.1077, 38.3210,
38.3185

■ 46.3959, 46.1672,
48.4981

Harmonies

Analogous

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



26.6294, 11.7675, 9.0928



22.8442, 11.7675, 1.4828



16.1481, 11.7675, 0.0000

Triad

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



22.8442, 11.7675, 1.4828



3.6426, 11.7675, 3.9305



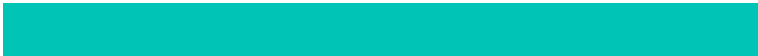
12.6981, 11.7675, 79.5905

Complementary

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



22.8442, 11.7675, 1.4828



28.1879, 42.8588, 51.0646

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.



7.3593, 11.7675, 72.2566



22.8442, 11.7675, 1.4828



3.2847, 11.7675, 17.4299

Square

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



22.8442, 11.7675, 1.4828



5.6183, 11.7675, 0.3193



4.3730, 11.7675, 44.3493



19.5732, 11.7675, 59.8830

Rectangle

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



22.8442, 11.7675, 1.4828



11.7187, 11.7675, 0.0000



4.3730, 11.7675, 44.3493



10.6671, 11.7675, 80.3755

Sweetspot

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



22.8444, 11.7683, 1.4830



65.9065, 56.7587, 52.8015



28.7097, 13.6500, 53.3456



13.4488, 11.1788, 10.0161



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.



22.8444, 11.7683, 1.4830



41.3505, 21.3042, 2.5121



25.7590, 17.7238, 2.0646



10.1017, 10.0893, 10.6259



14.6905, 7.5660, 1.0164



0.6449, 0.3310, 0.0977

Inverse Universe

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



22.8444, 11.7683, 1.4830



41.3505, 21.3042, 2.5121



16.0211, 16.0995, 54.4871



10.1017, 10.0893, 10.6259



14.6905, 7.5660, 1.0164



0.6449, 0.3310, 0.0977

Previews

White Background



This preview shows how the XYZ color 22.8442, 11.7675, 1.4828 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 22.8442, 11.7675, 1.4828

Background



This preview shows how black text looks on a background with the XYZ color 22.8442, 11.7675, 1.4828.



This preview shows how white text looks on a background with the XYZ color 22.8442, 11.7675,

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

22.8442, 11.7675, 1.4828

Protanopia

11.2647, 12.4021, 3.0965

Deuteranopia

12.4602, 12.3654, 1.7300



Tritanopia

22.7220, 12.0347, 1.1254

Trichromacy



Original Color

22.8442, 11.7675, 1.4828

Protanomaly

13.1083, 9.3760, 2.0386

Deuteranomaly

14.4058, 9.8220, 1.2801

Tritanomaly

22.6527, 11.8524, 1.2374

Monochromacy



Original Color

22.8442, 11.7675, 1.4828

Achromatopsia

4.2949, 4.5186, 4.9208

Achromatomaly

7.4358, 4.8119, 2.8224

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.8442, 11.7675, 1.4828 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, 14)` looks like.

```
.text, #text, p{  
    color:rgb(196, 0, 14)  
}
```

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, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 0, 14) }
```

Border

The CSS property to change the border of an element to XYZ 22.8442, 11.7675, 1.4828 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, 14) }
```


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

```
.border{ border-color:rgb(196, 0, 14) }
```

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, 14)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 0, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 0, 14);  
box-shadow:4px 4px 4px 4px rgb(196, 0, 14)  
}
```

Background

The CSS property to change the background color of an element to XYZ 22.8442, 11.7675, 1.4828 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, 14) }
```

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

```
.background{ background-color: rgb(196, 0,  
14) }
```

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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