

Converting Colors

XYZ(22.6438, 11.4142, 1.8584)

Have a look what the booklet for
XYZ(22.6438, 11.4142, 1.8584)
contains.

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Color

**XYZ(22.9298, 11.8017,
1.9336)**

Conversions

Conversions Part 1

Format	Color
Hex	C40018
RGB	196, 0, 24
RGB Percent	77%, 0%, 9%
CMY	0.2314, 0.9998, 0.9059
CMYK	0.00, 1.00, 0.88, 0.23
HSL	353°, 100%, 38%
HSV	353°, 100%, 77%
XYZ	22.9298, 11.8017, 1.9336
YIQ	61.3400, 109.1120, 49.0160

Conversions

Conversions Part 2

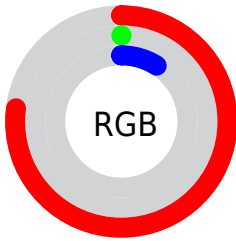
Format	Color
RYB	196, 0, 24
Decimal	12845080
CIELab	40.90, 66.01, 45.92
CIELCh	41, 80.409, 34.828
Yxy	11.8017, 0.6254, 0.3219
Android (android.graphics.Color)	4291035160 (0xFFC40018)
YUV	61.3400, -18.4086, 118.0968
Hunter-Lab	34.3536, 59.0236, 20.7104

Details

The XYZ color **22.9298, 11.8017, 1.9336** 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 **27.1902, 42.4598, 45.8111**, and the grayscale version is **4.5015, 4.7359, 5.1574**.

A 20% lighter version of the original color is **45.4387, 27.8887, 8.7825**, and **9.5157, 4.9055, 0.4453** is the 20% darker color. If you saturate the color by 10%, you get **22.9293, 11.8015, 1.9317**, and if you desaturate by 10%, it is **23.4124, 12.3849, 3.2731**.

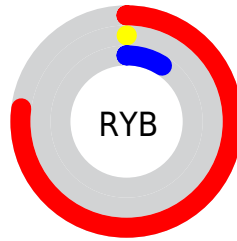
Distribution



Red (77%)

Green (0%)

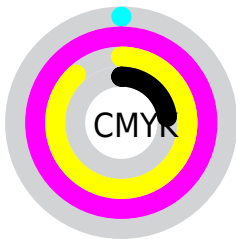
Blue (9%)



Red (77%)

Yellow (0%)

Blue (9%)

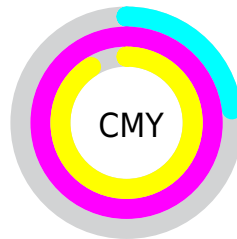


Cyan (0%)

Magenta (100%)

Yellow (88%)

Black (23%)



Cyan (23%)

Magenta (100%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.9298, 11.8017, 1.9336 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 22.9298, 11.8017, 1.9336 by changing the saturation by 10% instead.

■ 22.9298, 11.8017,
1.9336

■ 22.9298, 11.8017,
1.9336

259.9063,
203.0880, 121.3370

■ 14.6621, 6.6088,
0.5140

■ 47.7455, 29.1334,
8.8585

■ 8.6673, 3.2187,
0.0000

■ 65.0243, 42.0410,
15.2672

■ 4.5802, 1.2469,
0.0000

■ 86.0374, 58.2890,
24.1983

■ 2.0353, 0.0995,
0.0000

■ 111.1503, 78.2617,
36.0702


■ 0.6537, 0.0000,
0.0000


■ 140.7282,
102.3436, 51.3015


■ 0.0000, 0.0000,
0.0000


■ 175.1367,


130.9190, 70.3107


 214.7409,
164.3724, 93.5164


 22.9298, 11.8017,
1.9336


 22.9298, 11.8017,
1.9336


 22.9293, 11.8015,
1.9317

 23.4124, 12.3849,
3.2731

 24.2723, 13.5121,
5.3864

 25.6115, 15.3635,
8.3823

 27.4880, 18.0340,
12.3449

 29.9515, 21.6045,
17.3482

■ 33.0459, 26.1457,
23.4590

■ 36.8109, 31.7215,
30.7384

■ 41.2829, 38.3904,
39.2431

■ 46.4957, 46.2064,
49.0261

Harmonies

Analogous

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



26.1937, 11.8017, 10.3699



22.9298, 11.8017, 1.9336



16.5947, 11.8017, 0.0000

Triad

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



22.9298, 11.8017, 1.9336



3.9018, 11.8017, 3.5514



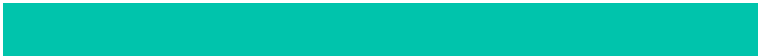
12.1716, 11.8017, 77.0515

Complementary

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



22.9298, 11.8017, 1.9336



27.1902, 42.4598, 45.8111

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.



7.1484, 11.8017, 67.9055



22.9298, 11.8017, 1.9336



3.4239, 11.8017, 15.6971

Square

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



22.9298, 11.8017, 1.9336



6.0223, 11.8017, 0.3154



4.3793, 11.8017, 40.6613



18.7717, 11.8017, 60.1526

Rectangle

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



22.9298, 11.8017, 1.9336



12.2414, 11.8017, 0.0000



4.3793, 11.8017, 40.6613



10.2517, 11.8017, 76.9969

Sweetspot

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



22.9301, 11.8025, 1.9338



66.3215, 56.9247, 54.9867



26.5139, 12.5180, 53.2429



13.5433, 11.2165, 10.5136



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.



22.9301, 11.8025, 1.9338



41.4897, 21.3599, 3.2450



25.0753, 16.3564, 1.8366



10.1222, 10.0975, 10.7340



14.7506, 7.5900, 1.3329



0.6542, 0.3347, 0.1465

Inverse Universe

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



22.9301, 11.8025, 1.9338



41.4897, 21.3599, 3.2450



17.1903, 18.4380, 54.8769



10.1222, 10.0975, 10.7340



14.7506, 7.5900, 1.3329



0.6542, 0.3347, 0.1465

Previews

White Background



This preview shows how the XYZ color 22.9298, 11.8017, 1.9336 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 22.9298, 11.8017, 1.9336

Background



This preview shows how black text looks on a background with the XYZ color 22.9298, 11.8017, 1.9336.



This preview shows how white text looks on a background with the XYZ color 22.9298, 11.8017,

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

22.9298, 11.8017, 1.9336

Protanopia

11.3102, 12.4058, 3.9889

Deuteranopia

12.4602, 12.3654, 1.7300



Tritanopia

22.7220, 12.0347, 1.1254

Trichromacy



Original Color

22.9298, 11.8017, 1.9336

Protanomaly

13.0654, 9.3391, 2.7041

Deuteranomaly

14.4277, 9.8307, 1.3955

Tritanomaly

22.6747, 11.8612, 1.3528

Monochromacy



Original Color

22.9298, 11.8017, 1.9336

Achromatopsia

4.4355, 4.6665, 5.0818

Achromatomaly

7.6894, 4.9794, 3.3522

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.9298, 11.8017, 1.9336 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, 24)` looks like.

```
.text, #text, p{  
    color:rgb(196, 0, 24)  
}
```

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, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 0, 24) }
```

Border

The CSS property to change the border of an element to XYZ 22.9298, 11.8017, 1.9336 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, 24) }
```


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

```
.border{ border-color:rgb(196, 0, 24) }
```

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, 24) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 0, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 0, 24);  
box-shadow:4px 4px 4px 4px rgb(196, 0, 24)  
}
```

Background

The CSS property to change the background color of an element to XYZ 22.9298, 11.8017, 1.9336 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, 24) }
```

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

```
.background{ background-color: rgb(196, 0,  
24) }
```

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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