

Converting Colors

XYZ(23.9535, 12.3858, 1.6586)

Have a look what the booklet for
XYZ(23.9535, 12.3858, 1.6586)
contains.

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Color

**XYZ(23.9532, 12.3850,
1.6584)**

Conversions

Conversions Part 1

Format	Color
Hex	C80311
RGB	200, 3, 17
RGB Percent	78%, 1%, 7%
CMY	0.2157, 0.9881, 0.9333
CMYK	0.00, 0.98, 0.91, 0.22
HSL	356°, 97%, 40%
HSV	356°, 98%, 78%
XYZ	23.9532, 12.3850, 1.6584
YIQ	63.4990, 112.9180, 46.1180

Conversions

Conversions Part 2

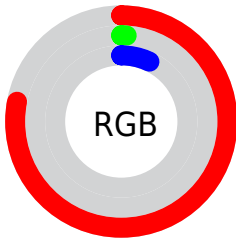
Format	Color
RYB	200, 3, 17
Decimal	13107985
CIELab	41.82, 66.59, 50.12
CIElCh	42, 83.344, 36.964
Yxy	12.3850, 0.6304, 0.3260
Android (android.graphics.Color)	4291298065 (0xFFC80311)
YUV	63.4990, -22.9240, 119.7114
Hunter-Lab	35.1923, 59.9071, 21.8407

Details

The XYZ color **23.9532, 12.3850, 1.6584** 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 **29.5595, 44.8748, 53.5810**, and the grayscale version is **4.8231, 5.0743, 5.5259**.

A 20% lighter version of the original color is **45.4139, 28.1272, 7.8860**, and **10.1533, 5.2342, 0.4752** is the 20% darker color. If you saturate the color by 10%, you get **23.8997, 12.3115, 1.5384**, and if you desaturate by 10%, it is **24.4386, 13.0186, 2.8607**.

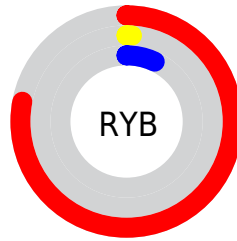
Distribution



Red (78%)

Green (1%)

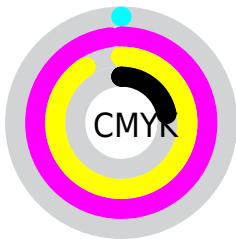
Blue (7%)



Red (78%)

Yellow (1%)

Blue (7%)

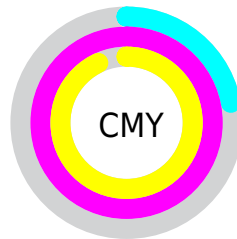


Cyan (0%)

Magenta (98%)

Yellow (91%)

Black (22%)



Cyan (22%)

Magenta (99%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.9532, 12.3850, 1.6584 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 23.9532, 12.3850, 1.6584 by changing the saturation by 10% instead.

■ 23.9532, 12.3850,
1.6584

■ 23.9532, 12.3850,
1.6584

■ 265.0287,
206.9377, 116.8242

■ 15.4235, 7.0064,
0.3320

■ 49.4090, 30.1944,
8.0839

■ 9.2054, 3.4661,
0.0000

■ 67.0659, 43.3940,
14.1482

■ 4.9336, 1.3797,
0.0000

■ 88.4958, 59.9695,
22.6717

■ 2.2427, 0.2017,
0.0000

■ 114.0641, 80.3051,
34.0727


■ 0.7651, 0.0000,
0.0000


■ 144.1362,
104.7854, 48.7700


■ 0.0000, 0.0000,
0.0000


■ 179.0774,


133.7946, 67.1820


 219.2531,
167.7173, 89.7272


 23.9532, 12.3850,
1.6584


 23.9532, 12.3850,
1.6584


 23.8997, 12.3115,
1.5384

 24.4386, 13.0186,
2.8607

 25.3544, 14.2780,
4.9301

 26.7934, 16.3167,
7.9970

 28.8184, 19.2333,
12.1661

 31.4835, 23.1121,
17.5289

■ 34.8365, 28.0273,
24.1675

■ 38.9207, 34.0459,
32.1563

■ 43.7758, 41.2294,
41.5645

■ 49.4387, 49.6345,
52.4562

Harmonies

Analogous

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



27.8155, 12.3850, 9.7860



23.9532, 12.3850, 1.6584



17.0237, 12.3850, 0.0000

Triad

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



23.9532, 12.3850, 1.6584



3.9052, 12.3850, 4.1080



13.2623, 12.3850, 82.6227

Complementary

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



23.9532, 12.3850, 1.6584



29.5595, 44.8748, 53.5810

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.



7.7288, 12.3850, 74.6961



23.9532, 12.3850, 1.6584



3.5098, 12.3850, 18.0157

Square

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



23.9532, 12.3850, 1.6584



6.0026, 12.3850, 0.3854



4.6324, 12.3850, 45.7594



20.3964, 12.3850, 62.5795

Rectangle

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



23.9532, 12.3850, 1.6584



12.4081, 12.3850, 0.0000



4.6324, 12.3850, 45.7594



11.1572, 12.3850, 83.3012

Sweetspot

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



23.9535, 12.3858, 1.6586



65.9036, 56.7575, 52.7861



30.1265, 14.3755, 55.8301



13.4481, 11.1785, 10.0126



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.



23.9535, 12.3858, 1.6586



41.3498, 21.3039, 2.5080



27.0929, 18.7999, 2.2882



10.6639, 10.6489, 11.2132



15.2090, 7.8332, 1.0444



0.7310, 0.3752, 0.1066

Inverse Universe

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



23.9535, 12.3858, 1.6586



41.3498, 21.3039, 2.5080



16.9340, 17.1311, 57.0573



10.6639, 10.6489, 11.2132



15.2090, 7.8332, 1.0444



0.7310, 0.3752, 0.1066

Previews

White Background



This preview shows how the XYZ color 23.9532, 12.3850, 1.6584 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 23.9532, 12.3850, 1.6584

Background



This preview shows how black text looks on a background with the XYZ color 23.9532, 12.3850, 1.6584.



This preview shows how white text looks on a background with the XYZ color 23.9532, 12.3850,

1.6584.

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

23.9532, 12.3850, 1.6584

Protanopia

11.7671, 12.9394, 3.4675

Deuteranopia

12.9353, 12.8778, 1.8039



Tritanopia

23.7695, 12.5747, 1.1744

Trichromacy



Original Color

23.9532, 12.3850, 1.6584

Protanomaly

13.7770, 9.8842, 2.2803

Deuteranomaly

15.0819, 10.3284, 1.3710

Tritanomaly

23.7300, 12.4431, 1.3233

Monochromacy



Original Color

23.9532, 12.3850, 1.6584

Achromatopsia

4.8732, 5.1269, 5.5832

Achromatomaly

8.1511, 5.3719, 3.2966

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.9532, 12.3850, 1.6584 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(200, 3, 17)` looks like.

```
.text, #text, p{  
  color:rgb(200, 3, 17)  
}
```

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(200, 3, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 3, 17) }
```

Border

The CSS property to change the border of an element to XYZ 23.9532, 12.3850, 1.6584 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(200, 3, 17) }
```


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

```
.border{ border-color:rgb(200, 3, 17) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 3, 17)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 3, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 3, 17);  
box-shadow:4px 4px 4px 4px rgb(200, 3, 17)  
}
```

Background

The CSS property to change the background color of an element to XYZ 23.9532, 12.3850, 1.6584 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 3, 17) }
```

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

```
.background{ background-color: rgb(200, 3,  
17) }
```

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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