

Converting Colors

XYZ(24.9661, 12.8631, 1.5039)

Have a look what the booklet for
XYZ(24.9661, 12.8631, 1.5039)
contains.

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Color

**XYZ(24.9682, 12.8639,
1.5148)**

Conversions

Conversions Part 1

Format	Color
Hex	CC000C
RGB	204, 0, 12
RGB Percent	80%, 0%, 5%
CMY	0.2000, 0.9998, 0.9529
CMYK	0.00, 1.00, 0.94, 0.20
HSL	356°, 100%, 40%
HSV	356°, 100%, 80%
XYZ	24.9682, 12.8639, 1.5148
YIQ	62.3640, 117.7320, 46.9800

Conversions

Conversions Part 2

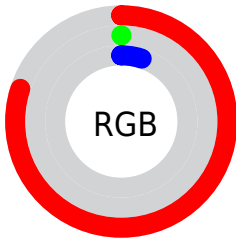
Format	Color
RYB	204, 0, 12
Decimal	13369356
CIELab	42.56, 67.82, 52.86
CIElCh	43, 85.987, 37.933
Yxy	12.8639, 0.6346, 0.3269
Android (android.graphics.Color)	4291559436 (0xFFCC000C)
YUV	62.3640, -24.8295, 124.2148
Hunter-Lab	35.8663, 61.4962, 22.6023

Details

The XYZ color **24.9682, 12.8639, 1.5148** 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 **31.1123, 46.9933, 57.3243**, and the grayscale version is **4.6578, 4.9004, 5.3366**.

A 20% lighter version of the original color is **45.3308, 28.0939, 7.4483**, and **10.6475, 5.4890, 0.4983** is the 20% darker color. If you saturate the color by 10%, you get **24.9678, 12.8637, 1.5135**, and if you desaturate by 10%, it is **25.4097, 13.4533, 2.5679**.

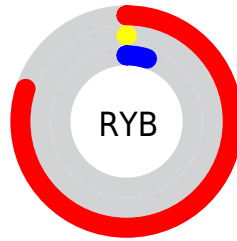
Distribution



Red (80%)

Green (0%)

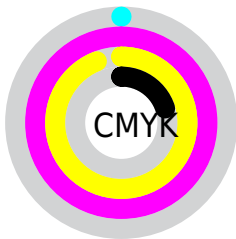
Blue (5%)



Red (80%)

Yellow (0%)

Blue (5%)

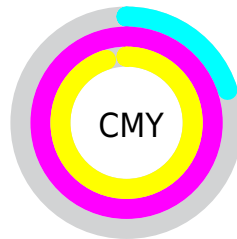


Cyan (0%)

Magenta (100%)

Yellow (94%)

Black (20%)



Cyan (20%)


Magenta (100%)


Yellow (95%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 24.9682, 12.8639, 1.5148 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 24.9682, 12.8639, 1.5148 by changing the saturation by 10% instead.


 24.9682, 12.8639,
1.5148


 24.9682, 12.8639,
1.5148


 270.0301,
210.0436, 114.3187


 16.1820, 7.3349,
0.2289


 51.0489, 31.0591,
7.6660


 9.7447, 3.6724,
0.0000


 69.0741, 44.4940,
13.5394

 5.2910, 1.4921,
0.0000

 90.9096, 61.3330,
21.8362

 2.4555, 0.2831,
0.0000

 116.9209, 81.9606,
32.9749


 0.8729, 0.0000,
0.0000


 147.4732,
106.7610, 47.3739


 0.0000, 0.0000,
0.0000


 182.9319,


136.1187, 65.4518


 223.6624,
170.4181, 87.6273


 24.9682, 12.8639,
1.5148


 24.9682, 12.8639,
1.5148


 24.9678, 12.8637,
1.5135

 25.4097, 13.4533,
2.5679

 26.2737, 14.6461,
4.5061

 27.6766, 16.6380,
7.4830

 29.6874, 19.5362,
11.6167

 32.3649, 23.4314,
17.0096

■ 35.7609, 28.4032,
23.7526

■ 39.9220, 34.5233,
31.9282

■ 44.8909, 41.8572,
41.6125

■ 50.7073, 50.4653,
52.8759

Harmonies

Analogous

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



29.2488, 12.8639, 9.6253



24.9682, 12.8639, 1.5148



17.5479, 12.8639, 0.0000

Triad

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



24.9682, 12.8639, 1.5148



3.9176, 12.8639, 4.4047



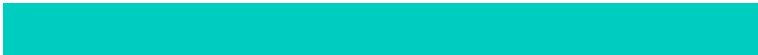
14.0337, 12.8639, 87.7575

Complementary

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



24.9682, 12.8639, 1.5148



31.1123, 46.9933, 57.3243

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.



8.1073, 12.8639, 80.2372



24.9682, 12.8639, 1.5148



3.5566, 12.8639, 19.5490

Square

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



24.9682, 12.8639, 1.5148



6.0415, 12.8639, 0.3883



4.7819, 12.8639, 49.5350



21.6295, 12.8639, 65.4403

Rectangle

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



24.9682, 12.8639, 1.5148



12.6831, 12.8639, 0.0000



4.7819, 12.8639, 49.5350



11.7815, 12.8639, 88.8468

Sweetspot

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



24.9685, 12.8647, 1.5150



65.8057, 56.7184, 52.2710



32.2353, 15.3595, 58.3920



13.4259, 11.1696, 9.8957



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.



24.9685, 12.8647, 1.5150



41.3259, 21.2943, 2.3822



28.4265, 19.8866, 2.3415



11.2385, 11.2242, 11.7908



15.7268, 8.1013, 1.0139



0.8209, 0.4218, 0.1025

Inverse Universe

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



24.9685, 12.8647, 1.5150



41.3259, 21.2943, 2.3822



17.1010, 16.7627, 59.4605



11.2385, 11.2242, 11.7908



15.7268, 8.1013, 1.0139



0.8209, 0.4218, 0.1025

Previews

White Background



This preview shows how the XYZ color 24.9682, 12.8639, 1.5148 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 24.9682, 12.8639, 1.5148

Background



This preview shows how black text looks on a background with the XYZ color 24.9682, 12.8639, 1.5148.



This preview shows how white text looks on a background with the XYZ color 24.9682, 12.8639,

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

24.9682, 12.8639, 1.5148

Protanopia

12.1678, 13.4443, 3.2500

Deuteranopia

13.5736, 13.4812, 1.8867



Tritanopia

24.5900, 13.0223, 1.2175

Trichromacy



Original Color

24.9682, 12.8639, 1.5148

Protanomaly

14.1457, 10.1654, 2.0807

Deuteranomaly

15.6492, 10.6221, 1.3403

Tritanomaly

24.7820, 12.9682, 1.3118

Monochromacy



Original Color

24.9682, 12.8639, 1.5148

Achromatopsia

4.5787, 4.8172, 5.2459

Achromatomaly

8.1196, 5.2103, 2.9606

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.9682, 12.8639, 1.5148 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(204, 0, 12)` looks like.

```
.text, #text, p{  
    color:rgb(204, 0, 12)  
}
```

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(204, 0, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 0, 12) }
```

Border

The CSS property to change the border of an element to XYZ 24.9682, 12.8639, 1.5148 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(204, 0, 12) }
```


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

```
.border{ border-color:rgb(204, 0, 12) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 0, 12)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 0, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 0, 12);  
box-shadow:4px 4px 4px 4px rgb(204, 0, 12)  
}
```

Background

The CSS property to change the background color of an element to XYZ 24.9682, 12.8639, 1.5148 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 0, 12) }
```

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

```
.background{ background-color: rgb(204, 0,  
12) }
```

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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