

Converting Colors

XYZ(24.0755, 12.3480, 3.9913)

Have a look what the booklet for
XYZ(24.0755, 12.3480, 3.9913)
contains.

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Color

**XYZ(24.1076, 12.3639,
4.0216)**

Conversions

Conversions Part 1

Format	Color
Hex	C70031
RGB	199, 0, 49
RGB Percent	78%, 0%, 19%
CMY	0.2196, 0.9998, 0.8078
CMYK	0.00, 1.00, 0.75, 0.22
HSL	345°, 100%, 39%
HSV	345°, 100%, 78%
XYZ	24.1076, 12.3639, 4.0216
YIQ	65.0870, 102.8750, 57.4270

Conversions

Conversions Part 2

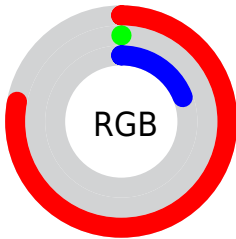
Format	Color
RYB	199, 0, 49
Decimal	13041713
CIELab	41.79, 67.41, 33.03
CIELCh	42, 75.069, 26.104
Yxy	12.3639, 0.5954, 0.3053
Android (android.graphics.Color)	4291231793 (0xFFC70031)
YUV	65.0870, -7.9309, 117.4417
Hunter-Lab	35.1623, 60.8470, 17.8325

Details

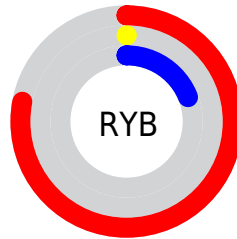
The XYZ color **24.1076, 12.3639, 4.0216** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **25.9321, 43.0502, 35.8139**, and the grayscale version is **5.0418, 5.3044, 5.7765**.

A 20% lighter version of the original color is **46.5541, 28.5832, 13.8899**, and **10.1807, 5.2452, 0.6194** is the 20% darker color. If you saturate the color by 10%, you get **24.1068, 12.3635, 4.0182**, and if you desaturate by 10%, it is **24.7277, 13.0105, 6.0590**.

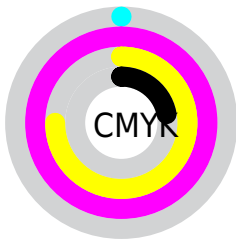
Distribution



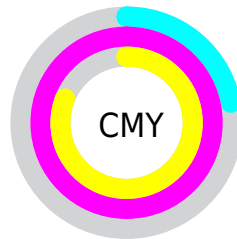
- Red (78%)
- Green (0%)
- Blue (19%)



- Red (78%)
- Yellow (0%)
- Blue (19%)



- Cyan (0%)
- Magenta (100%)
- Yellow (75%)
- Black (22%)





- Cyan (22%)
- Magenta (100%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.1076, 12.3639, 4.0216 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 24.1076, 12.3639, 4.0216 by changing the saturation by 10% instead.


 24.1076, 12.3639,
4.0216


 24.1076, 12.3639,
4.0216


265.7944,
206.7997, 148.4652


 15.5386, 6.9920,
1.6372


 49.6591, 30.1562,
14.0595

 9.2870, 3.4571,
0.3172


 67.3724, 43.3453,
22.5502

 4.9875, 1.3748,
0.0000

 88.8645, 59.9091,
33.9133

 2.2746, 0.1980,
0.0000

 114.5007, 80.2317,
48.5674

 0.7816, 0.0000,
0.0000

 144.6465,
104.6977, 66.9312

 0.0000, 0.0000,
0.0000

 179.6671,

133.6915, 89.4230

219.9280,
167.5973, 116.4615

■ 24.1076, 12.3639,
4.0216

■ 24.1076, 12.3639,
4.0216

■ 24.1068, 12.3635,
4.0182

■ 24.7277, 13.0105,
6.0590

■ 25.7180, 14.2135,
8.7864

■ 27.1762, 16.1550,
12.2778

■ 29.1565, 18.9313,
16.5889

■ 31.7054, 22.6242,
21.7697

■ 34.8640, 27.3055,
27.8661

■ 38.6696, 33.0399,
34.9204

■ 43.1563, 39.8866,
42.9724

■ 48.3559, 47.9005,
52.0595

Harmonies

Analogous

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



25.8584, 12.3639, 15.6374



24.1076, 12.3639, 4.0216



18.7285, 12.3639, 0.6809

Triad

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



24.1076, 12.3639, 4.0216



4.9546, 12.3639, 2.6242



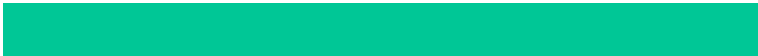
11.0443, 12.3639, 72.3584

Complementary

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



24.1076, 12.3639, 4.0216



25.9321, 43.0502, 35.8139

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.



6.7663, 12.3639, 57.8078



24.1076, 12.3639, 4.0216



4.0191, 12.3639, 11.4987

Square

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



24.1076, 12.3639, 4.0216



7.6691, 12.3639, 0.3242



4.5597, 12.3639, 31.7797



17.0737, 12.3639, 63.4439

Rectangle

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



24.1076, 12.3639, 4.0216



14.4923, 12.3639, 0.0000



4.5597, 12.3639, 31.7797



9.3801, 12.3639, 69.8706

Sweetspot

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



24.1079, 12.3647, 4.0218



67.3754, 57.3463, 60.5366



22.7511, 10.5384, 54.8675



13.7854, 11.3134, 11.7887



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.



24.1079, 12.3647, 4.0218



42.1302, 21.6161, 6.6179



24.6845, 14.4046, 1.4805



10.7391, 10.6790, 11.6095



15.5310, 7.9620, 2.7400



0.7653, 0.3889, 0.2870

Inverse Universe

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



24.1079, 12.3647, 4.0218



42.1302, 21.6161, 6.6179



21.0979, 25.7010, 57.8813



10.7391, 10.6790, 11.6095



15.5310, 7.9620, 2.7400



0.7653, 0.3889, 0.2870

Previews

White Background



This preview shows how the XYZ color 24.1076, 12.3639, 4.0216 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 24.1076, 12.3639, 4.0216

Background



This preview shows how black text looks on a background with the XYZ color 24.1076, 12.3639, 4.0216.



This preview shows how white text looks on a background with the XYZ color 24.1076, 12.3639,

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

24.1076, 12.3639, 4.0216

Protanopia

12.1964, 13.0530, 8.3552

Deuteranopia

13.1369, 12.9413, 3.6393



Tritanopia

23.6115, 12.5351, 1.5558

Trichromacy



Original Color

24.1076, 12.3639, 4.0216

Protanomaly

13.9429, 9.7992, 6.1576

Deuteranomaly

15.2235, 10.2770, 3.3718

Tritanomaly

23.6191, 12.3682, 2.1197

Monochromacy



Original Color

24.1076, 12.3639, 4.0216

Achromatopsia

5.0244, 5.2861, 5.7565

Achromatomaly

8.5218, 5.4791, 4.7461

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.1076, 12.3639, 4.0216 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(199, 0, 49)` looks like.

```
.text, #text, p{  
    color:rgb(199, 0, 49)  
}
```

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(199, 0, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 0, 49) }
```

Border

The CSS property to change the border of an element to XYZ 24.1076, 12.3639, 4.0216 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(199, 0, 49) }
```


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

```
.border{ border-color:rgb(199, 0, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 0, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 0, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 0, 49);  
box-shadow:4px 4px 4px 4px rgb(199, 0, 49)  
}
```

Background

The CSS property to change the background color of an element to XYZ 24.1076, 12.3639, 4.0216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 0, 49) }
```

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

```
.background{ background-color: rgb(199, 0,  
49) }
```

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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