

Converting Colors

XYZ(24.0258, 12.3281, 3.7294)

Have a look what the booklet for
XYZ(24.0258, 12.3281, 3.7294)
contains.

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Color

**XYZ(24.0463, 12.3394,
3.6991)**

Conversions

Conversions Part 1

Format	Color
Hex	C7002E
RGB	199, 0, 46
RGB Percent	78%, 0%, 18%
CMY	0.2196, 0.9998, 0.8196
CMYK	0.00, 1.00, 0.77, 0.22
HSL	346°, 100%, 39%
HSV	346°, 100%, 78%
XYZ	24.0463, 12.3394, 3.6991
YIQ	64.7450, 103.8380, 56.4940

Conversions

Conversions Part 2

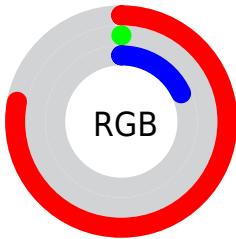
Format	Color
RYB	199, 0, 46
Decimal	13041710
CIELab	41.75, 67.31, 34.79
CIElCh	42, 75.770, 27.337
Yxy	12.3394, 0.5999, 0.3078
Android (android.graphics.Color)	4291231790 (0xFFC7002E)
YUV	64.7450, -9.2413, 117.7416
Hunter-Lab	35.1275, 60.7180, 18.3457

Details

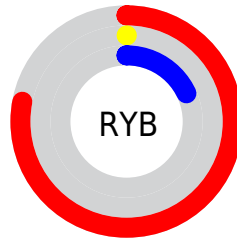
The XYZ color **24.0463, 12.3394, 3.6991** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **26.1770, 43.1480, 37.1039**, and the grayscale version is **4.9917, 5.2516, 5.7190**.

A 20% lighter version of the original color is **46.4203, 28.5297, 13.1854**, and **10.1533, 5.2342, 0.4752** is the 20% darker color. If you saturate the color by 10%, you get **24.0455, 12.3390, 3.6957**, and if you desaturate by 10%, it is **24.6526, 12.9805, 5.6640**.

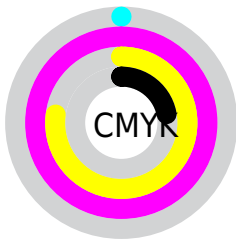
Distribution



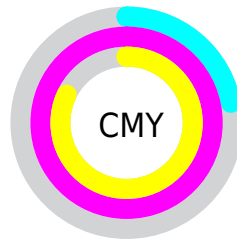
- Red (78%)
- Green (0%)
- Blue (18%)



- Red (78%)
- Yellow (0%)
- Blue (18%)



- Cyan (0%)
- Magenta (100%)
- Yellow (77%)
- Black (22%)





- Cyan (22%)
- Magenta (100%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.0463, 12.3394, 3.6991 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 24.0463, 12.3394, 3.6991 by changing the saturation by 10% instead.

 24.0463, 12.3394,
3.6991


 24.0463, 12.3394,
3.6991


265.4906,
206.6394, 144.8197


 15.4929, 6.9753,
1.4618


 49.5599, 30.1118,
13.3096

 9.2546, 3.4466,
0.1892


 67.2507, 43.2888,
21.5199


 4.9661, 1.3691,
0.0000

 88.7181, 59.8389,
32.5582

 2.2619, 0.1938,
0.0000

 114.3274, 80.1465,
46.8432

 0.7751, 0.0000,
0.0000

 144.4440,
104.5959, 64.7933

 0.0000, 0.0000,
0.0000

 179.4331,

133.5716, 86.8270

219.6602,
167.4580, 113.3630

■ 24.0463, 12.3394,
3.6991

■ 24.0463, 12.3394,
3.6991

■ 24.0455, 12.3390,
3.6957

■ 24.6526, 12.9805,
5.6640

■ 25.6322, 14.1793,
8.3344

■ 27.0832, 16.1179,
11.7881

■ 29.0606, 18.8931,
16.0838

■ 31.6113, 22.5868,
21.2740

■ 34.7769, 27.2709,
27.4071

■ 38.5951, 33.0105,
34.5275

■ 43.1004, 39.8647,
42.6771

■ 48.3249, 47.8885,
51.8949

Harmonies

Analogous

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



26.0090, 12.3394, 14.9118



24.0463, 12.3394, 3.6991



18.5099, 12.3394, 0.5731

Triad

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



24.0463, 12.3394, 3.6991



4.8252, 12.3394, 2.7496



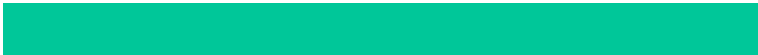
11.2376, 12.3394, 73.2656

Complementary

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



24.0463, 12.3394, 3.6991



26.1770, 43.1480, 37.1039

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.



6.8457, 12.3394, 59.3311



24.0463, 12.3394, 3.6991



3.9532, 12.3394, 12.0601

Square

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



24.0463, 12.3394, 3.6991



7.4655, 12.3394, 0.3269



4.5551, 12.3394, 33.0160



17.3658, 12.3394, 63.2507

Rectangle

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



24.0463, 12.3394, 3.6991



14.2362, 12.3394, 0.0000



4.5551, 12.3394, 33.0160



9.5336, 12.3394, 71.0789

Sweetspot

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



24.0466, 12.3402, 3.6993



67.2433, 57.2934, 59.8412



23.3661, 10.8555, 54.8961



13.7549, 11.3012, 11.6281



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.



24.0466, 12.3402, 3.6993



42.0269, 21.5748, 6.0737



24.8308, 14.6972, 1.5294



10.7326, 10.6764, 11.5750



15.4902, 7.9457, 2.5255



0.7623, 0.3878, 0.2715

Inverse Universe

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



24.0466, 12.3402, 3.6993



42.0269, 21.5748, 6.0737



20.5795, 24.6643, 57.7084



10.7326, 10.6764, 11.5750



15.4902, 7.9457, 2.5255



0.7623, 0.3878, 0.2715

Previews

White Background



This preview shows how the XYZ color 24.0463, 12.3394, 3.6991 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 24.0463, 12.3394, 3.6991

Background



This preview shows how black text looks on a background with the XYZ color 24.0463, 12.3394, 3.6991.



This preview shows how white text looks on a background with the XYZ color 24.0463, 12.3394,

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

24.0463, 12.3394, 3.6991

Protanopia

12.0658, 13.0008, 7.6678

Deuteranopia

13.0758, 12.9169, 3.3174



Tritanopia

23.5764, 12.4934, 1.4560

Trichromacy



Original Color

24.0463, 12.3394, 3.6991

Protanomaly

13.8310, 9.7545, 5.5687

Deuteranomaly

15.1555, 10.2497, 3.0133

Tritanomaly

23.5748, 12.3306, 1.9481

Monochromacy



Original Color

24.0463, 12.3394, 3.6991

Achromatopsia

5.0244, 5.2861, 5.7565

Achromatomaly

8.4961, 5.4688, 4.6108

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.0463, 12.3394, 3.6991 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, 46)` looks like.

```
.text, #text, p{  
    color:rgb(199, 0, 46)  
}
```

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, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 0, 46) }
```

Border

The CSS property to change the border of an element to XYZ 24.0463, 12.3394, 3.6991 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, 46) }
```


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

```
.border{ border-color:rgb(199, 0, 46) }
```

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, 46) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 0, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 0, 46);  
box-shadow:4px 4px 4px 4px rgb(199, 0, 46)  
}
```

Background

The CSS property to change the background color of an element to XYZ 24.0463, 12.3394, 3.6991 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, 46) }
```

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

```
.background{ background-color: rgb(199, 0,  
46) }
```

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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