

Converting Colors

XYZ(24.2488, 12.5616, 3.7342)

Have a look what the booklet for
XYZ(24.2488, 12.5616, 3.7342)
contains.

XYZ(24.1223, 12.4913, 3.7244)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(24.1223, 12.4913,
3.7244)**

Conversions

Conversions Part 1

Format	Color
Hex	C7072E
RGB	199, 7, 46
RGB Percent	78%, 3%, 18%
CMY	0.2196, 0.9724, 0.8196
CMYK	0.00, 0.96, 0.77, 0.22
HSL	348°, 93%, 40%
HSV	348°, 96%, 78%
XYZ	24.1223, 12.4913, 3.7244
YIQ	68.8540, 101.9130, 52.8330

Conversions

Conversions Part 2

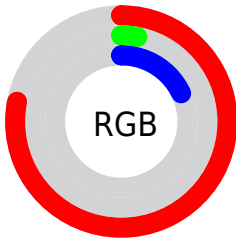
Format	Color
RYB	199, 7, 46
Decimal	13043502
CIELab	41.99, 66.62, 35.05
CIElCh	42, 75.283, 27.751
Yxy	12.4913, 0.5980, 0.3097
Android (android.graphics.Color)	4291233582 (0xFFC7072E)
YUV	68.8540, -11.2670, 114.1380
Hunter-Lab	35.3430, 59.9794, 18.4922

Details

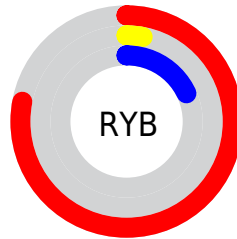
The XYZ color **24.1223, 12.4913, 3.7244** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **26.8599, 43.4314, 40.2427**, and the grayscale version is **5.6423, 5.9361, 6.4644**.

A 20% lighter version of the original color is **46.4996, 28.6883, 13.2118**, and **10.1533, 5.2342, 0.4752** is the 20% darker color. If you saturate the color by 10%, you get **23.9427, 12.2979, 3.1542**, and if you desaturate by 10%, it is **24.8093, 13.2694, 5.7911**.

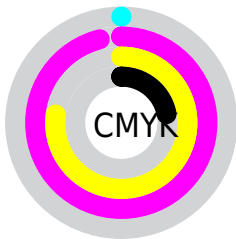
Distribution



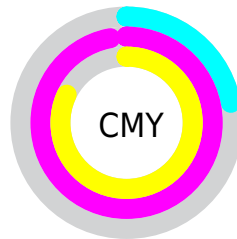
- Red (78%)
- Green (3%)
- Blue (18%)



- Red (78%)
- Yellow (3%)
- Blue (18%)



- Cyan (0%)
- Magenta (96%)
- Yellow (77%)
- Black (22%)





- Cyan (22%)
- Magenta (97%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.1223, 12.4913, 3.7244 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 24.1223, 12.4913, 3.7244 by changing the saturation by 10% instead.

 24.1223, 12.4913,
3.7244


 24.1223, 12.4913,
3.7244


265.8672,
207.6312, 145.1110


 15.5496, 7.0792,
1.4754


 49.6829, 30.3868,
13.3690


 9.2948, 3.5117,
0.1995


 67.4016, 43.6390,
21.6017


 4.9926, 1.4043,
0.0000

 88.8995, 60.2733,
32.6660

 2.2776, 0.2199,
0.0000

 114.5422, 80.6742,
46.9804

 0.7832, 0.0000,
0.0000

 144.6950,
105.2261, 64.9637

 0.0000, 0.0000,
0.0000

 179.7232,

134.3133, 87.0341

219.9921,
168.3202, 113.6104

■ 24.1223, 12.4913,
3.7244

■ 24.1223, 12.4913,
3.7244

■ 23.9427, 12.2979,
3.1542

■ 24.8093, 13.2694,
5.7911

■ 25.9283, 14.7083,
8.6280

■ 27.5464, 16.9260,
12.3070

■ 29.7163, 20.0138,
16.8904

■ 32.4839, 24.0499,
22.4343

■ 35.8901, 29.1042,
28.9900

■ 39.9722, 35.2395,
36.6054

■ 44.7646, 42.5140,
45.3249

■ 50.2991, 50.9814,
55.1905

Harmonies

Analogous

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



26.1425, 12.4913, 14.8424



24.1223, 12.4913, 3.7244



18.5664, 12.4913, 0.6097

Triad

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



24.1223, 12.4913, 3.7244



4.9144, 12.4913, 2.9115



11.4566, 12.4913, 73.1954

Complementary

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



24.1223, 12.4913, 3.7244



26.8599, 43.4314, 40.2427

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.



7.0189, 12.4913, 59.6471



24.1223, 12.4913, 3.7244



4.0554, 12.4913, 12.4307

Square

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



24.1223, 12.4913, 3.7244



7.5451, 12.4913, 0.4032



4.6843, 12.4913, 33.5097



17.6013, 12.4913, 62.9356

Rectangle

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



24.1223, 12.4913, 3.7244



14.2972, 12.4913, 0.0000



4.6843, 12.4913, 33.5097



9.7389, 12.4913, 71.1397

Sweetspot

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



24.1226, 12.4921, 3.7246



67.7446, 58.3163, 59.9455



24.3695, 11.4855, 54.9650



13.8396, 11.4894, 11.5980



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.



24.1226, 12.4921, 3.7246



41.8543, 21.5057, 5.1651



25.2833, 15.5408, 1.8692



10.7204, 10.6716, 11.5111



15.4215, 7.9182, 2.1635



0.7568, 0.3856, 0.2426

Inverse Universe

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



24.1226, 12.4921, 3.7246



41.8543, 21.5057, 5.1651



20.4628, 24.3009, 57.6445



10.7204, 10.6716, 11.5111



15.4215, 7.9182, 2.1635



0.7568, 0.3856, 0.2426

Previews

White Background



This preview shows how the XYZ color 24.1223, 12.4913, 3.7244 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 24.1223, 12.4913, 3.7244

Background



This preview shows how black text looks on a background with the XYZ color 24.1223, 12.4913, 3.7244.



This preview shows how white text looks on a background with the XYZ color 24.1223, 12.4913,

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

24.1223, 12.4913, 3.7244

Protanopia

12.0658, 13.0008, 7.6678

Deuteranopia

13.0758, 12.9169, 3.3174



Tritanopia

23.6052, 12.5326, 1.5227

Trichromacy



Original Color

24.1223, 12.4913, 3.7244

Protanomaly

14.0048, 10.1020, 5.6266

Deuteranomaly

15.3201, 10.5790, 3.0682

Tritanomaly

23.6244, 12.4134, 2.0150

Monochromacy



Original Color

24.1223, 12.4913, 3.7244

Achromatopsia

5.6565, 5.9511, 6.4808

Achromatomaly

9.0218, 6.0039, 5.0983

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.1223, 12.4913, 3.7244 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, 7, 46)` looks like.

```
.text, #text, p{  
  color:rgb(199, 7, 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, 7, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 7, 46) }
```

Border

The CSS property to change the border of an element to XYZ 24.1223, 12.4913, 3.7244 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, 7, 46) }
```


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

```
.border{ border-color:rgb(199, 7, 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, 7, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 7, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 7, 46);  
box-shadow:4px 4px 4px 4px rgb(199, 7, 46)  
}
```

Background

The CSS property to change the background color of an element to XYZ 24.1223, 12.4913, 3.7244 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 7, 46) }
```

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

```
.background{ background-color: rgb(199, 7,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor