

Converting Colors

XYZ(24.1422, 12.1048, 16.5342)

Have a look what the booklet for
XYZ(24.1422, 12.1048, 16.5342)
contains.

XYZ(24.1598, 12.1170, 16.3947)	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(24.1598, 12.1170,
16.3947)**

Conversions

Conversions Part 1

Format	Color
Hex	BE0070
RGB	190, 0, 112
RGB Percent	75%, 0%, 44%
CMY	0.2549, 0.9999, 0.5608
CMYK	0.00, 1.00, 0.41, 0.25
HSL	325°, 100%, 37%
HSV	325°, 100%, 75%
XYZ	24.1598, 12.1170, 16.3947
YIQ	69.5780, 77.2880, 75.1120

Conversions

Conversions Part 2

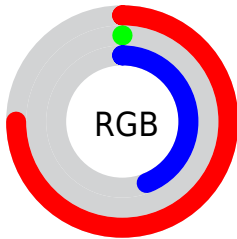
Format	Color
RYB	190, 0, 112
Decimal	12451952
CIELab	41.40, 69.31, -7.43
CIELCh	41, 69.707, 353.879
Yxy	12.1170, 0.4587, 0.2300
Android (android.graphics.Color)	4290642032 (0xFFBE0070)
YUV	69.5780, 20.9140, 105.6101
Hunter-Lab	34.8095, 62.9728, -3.5580

Details

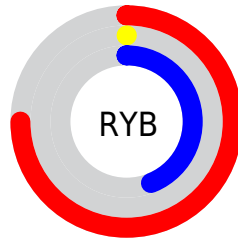
The XYZ color **24.1598, 12.1170, 16.3947** is a dark color, and the websafe version is hex **CC0066**. A complement of this color would be **19.7901, 37.3775, 13.3855**, and the grayscale version is **5.7123, 6.0097, 6.5446**.

A 20% lighter version of the original color is **49.7330, 29.6866, 38.2308**, and **10.1313, 5.1160, 5.3040** is the 20% darker color. If you saturate the color by 10%, you get **24.1590, 12.1167, 16.3907**, and if you desaturate by 10%, it is **24.8467, 12.7652, 18.8606**.

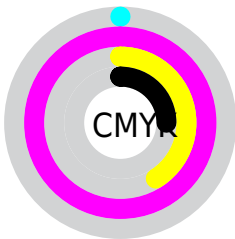
Distribution



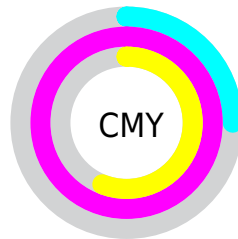
- Red (75%)
- Green (0%)
- Blue (44%)



- Red (75%)
- Yellow (0%)
- Blue (44%)



- Cyan (0%)
- Magenta (100%)
- Yellow (41%)
- Black (25%)





- Cyan (25%)
- Magenta (100%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.1598, 12.1170, 16.3947 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 24.1598, 12.1170, 16.3947 by changing the saturation by 10% instead.


 24.1598, 12.1170,
16.3947


 24.1598, 12.1170,
16.3947


266.0529,
205.1783, 243.5843


 15.5776, 6.8234,
9.6465


 49.7436, 29.7080,
38.0584


 9.3147, 3.3519,
5.0627


 67.4759, 42.7742,
53.8109


 5.0058, 1.3181,
2.2247

 88.9890, 59.2001,
73.4020

 2.2854, 0.1552,
0.6886

 114.6482, 79.3701,
97.2502

 0.7872, 0.0000,
0.0000

 144.8188,
103.6685, 125.7739

 0.0000, 0.0000,
0.0000

 179.8662,

132.4797, 159.3919

220.1558,
166.1882, 198.5225

■ 24.1598, 12.1170,
16.3947

■ 24.1598, 12.1170,
16.3947

■ 24.1590, 12.1167,
16.3907

■ 24.8467, 12.7652,
18.8606

■ 25.7995, 13.8836,
21.6053

■ 27.1016, 15.6374,
24.6611

■ 28.7954, 18.1100,
28.0462

■ 30.9168, 21.3721,
31.7768

■ 33.4976, 25.4858,
35.8674

■ 36.5662, 30.5069,
40.3314

■ 40.1489, 36.4865,
45.1812

■ 44.2698, 43.4717,
50.4286

Harmonies

Analogous

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



21.3049, 12.1170, 37.3945



24.1598, 12.1170, 16.3947



22.9076, 12.1170, 4.8201

Triad

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



24.1598, 12.1170, 16.3947



8.0087, 12.1170, 0.5343



6.6789, 12.1170, 50.9539

Complementary

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



24.1598, 12.1170, 16.3947



19.7901, 37.3775, 13.3855

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.



4.7121, 12.1170, 28.0018



24.1598, 12.1170, 16.3947



5.3076, 12.1170, 2.6386

Square

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



24.1598, 12.1170, 16.3947



12.5863, 12.1170, 0.1449



4.2964, 12.1170, 10.4385



10.5098, 12.1170, 64.8554

Rectangle

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



24.1598, 12.1170, 16.3947



20.0545, 12.1170, 1.7687



4.2964, 12.1170, 10.4385



5.8289, 12.1170, 43.4851

Sweetspot

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



24.1601, 12.1177, 16.3949



65.9617, 54.7842, 72.6628



12.2767, 5.2557, 49.0824



13.9431, 11.1395, 15.1823



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



24.1601, 12.1177, 16.3949



43.6532, 21.9066, 29.0358



21.3533, 10.9950, 1.6142



9.7597, 9.6282, 11.1235



16.1042, 8.0728, 11.1083



0.6626, 0.3289, 0.6024

Inverse Universe

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



24.1601, 12.1177, 16.3949



43.6532, 21.9066, 29.0358



25.7648, 39.7674, 44.8476



9.7597, 9.6282, 11.1235



16.1042, 8.0728, 11.1083



0.6626, 0.3289, 0.6024

Previews

White Background



This preview shows how the XYZ color 24.1598, 12.1170, 16.3947 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



This preview shows how the XYZ color 24.1598, 12.1170, 16.3947 looks on a 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 24.1598, 12.1170, 16.3947

Background



This preview shows how black text looks on a background with the XYZ color 24.1598, 12.1170, 16.3947.



This preview shows how white text looks on a background with the XYZ color 24.1598, 12.1170,

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

24.1598, 12.1170, 16.3947

Protanopia

13.7812, 12.8451, 35.4712

Deuteranopia

12.9577, 12.7370, 14.8722



Tritanopia

21.6240, 12.4299, 3.7421

Trichromacy



Original Color

24.1598, 12.1170, 16.3947



Protanomaly

14.0167, 9.2103, 27.0256



Deuteranomaly

14.8577, 9.9101, 15.0397



Tritanomaly

21.9829, 11.8250, 6.7540

Monochromacy



Original Color

24.1598, 12.1170, 16.3947



Achromatopsia

5.8214, 6.1246, 6.6697



Achromatomaly

9.5175, 6.1101, 9.2721

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.1598, 12.1170, 16.3947 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(190, 0, 112)` looks like.

```
.text, #text, p{  
    color:rgb(190, 0, 112)  
}
```

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(190, 0, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 0, 112) }
```

Border

The CSS property to change the border of an element to XYZ 24.1598, 12.1170, 16.3947 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(190, 0, 112) }
```


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

```
.border{ border-color:rgb(190, 0, 112) }
```

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

Here you see how a box with a 4 pixel rgb(190, 0, 112) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 0, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 0, 112);  
box-shadow:4px 4px 4px 4px rgb(190, 0,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 24.1598, 12.1170, 16.3947 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 0, 112) }
```

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

```
.background{ background-color: rgb(190, 0,  
112) }
```

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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