

Converting Colors

XYZ(24.4474, 12.2683, 16.2725)

Have a look what the booklet for
XYZ(24.4474, 12.2683, 16.2725)
contains.

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Color

**XYZ(24.4105, 12.2462,
16.4064)**

Conversions

Conversions Part 1

Format	Color
Hex	BF0070
RGB	191, 0, 112
RGB Percent	75%, 0%, 44%
CMY	0.2510, 0.9999, 0.5608
CMYK	0.00, 1.00, 0.41, 0.25
HSL	325°, 100%, 37%
HSV	325°, 100%, 75%
XYZ	24.4105, 12.2462, 16.4064
YIQ	69.8770, 77.8840, 75.3240

Conversions

Conversions Part 2

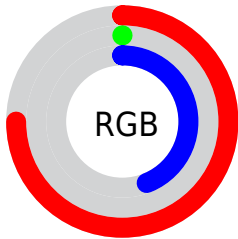
Format	Color
R_{YB}	191, 0, 112
Decimal	12517488
CIE _{Lab}	41.60, 69.52, -7.11
CIE _{LCh}	42, 69.887, 354.163
Yxy	12.2462, 0.4600, 0.2308
Android (android.graphics.Color)	4290707568 (0xFFBF0070)
YUV	69.8770, 20.7666, 106.2249
Hunter-Lab	34.9946, 63.2724, -3.3006

Details

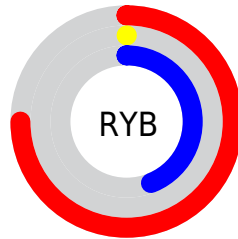
The XYZ color **24.4105, 12.2462, 16.4064** is a dark color, and the websafe version is hex **CC0066**. A complement of this color would be **20.0436, 37.8268, 13.6480**, and the grayscale version is **5.7615, 6.0616, 6.6010**.

A 20% lighter version of the original color is **50.0942, 29.8728, 38.2477**, and **10.2855, 5.1955, 5.3112** is the 20% darker color. If you saturate the color by 10%, you get **24.4098, 12.2459, 16.4027**, and if you desaturate by 10%, it is **25.1052, 12.9003, 18.9048**.

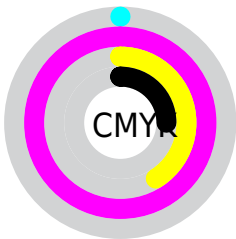
Distribution



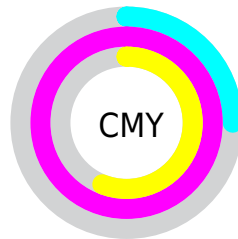
- Red (75%)
- Green (0%)
- Blue (44%)



- 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 24.4105, 12.2462, 16.4064 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 24.4105, 12.2462, 16.4064 by changing the saturation by 10% instead.


 24.4105, 12.2462,
16.4064


 24.4105, 12.2462,
16.4064


267.2914,
206.0285, 243.6550


 15.7648, 6.9116,
9.6547


 50.1491, 29.9427,
38.0789


 9.4477, 3.4069,
5.0680


 67.9726, 43.0734,
53.8367


 5.0937, 1.3477,
2.2278

 89.5862, 59.5716,
73.4338

 2.3377, 0.1777,
0.6903

 115.3551, 79.8216,
97.2885

 0.8138, 0.0000,
0.0000

 145.6447,
104.2079, 125.8194

 0.0000, 0.0000,
0.0000

 180.8204,

133.1149, 159.4451

221.2475,
166.9270, 198.5842

■ 24.4105, 12.2462,
16.4064

■ 24.4105, 12.2462,
16.4064

■ 24.4098, 12.2459,
16.4027

■ 25.1052, 12.9003,
18.9048

■ 26.0697, 14.0308,
21.6883

■ 27.3884, 15.8047,
24.7895

■ 29.1041, 18.3065,
28.2272

■ 31.2533, 21.6077,
32.0178

■ 33.8681, 25.7713,
36.1761

■ 36.9776, 30.8539,
40.7157

■ 40.6081, 36.9071,
45.6494

■ 44.7842, 43.9789,
50.9891

Harmonies

Analogous

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



21.5639, 12.2462, 37.5362



24.4105, 12.2462, 16.4064



23.1070, 12.2462, 4.8121

Triad

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



24.4105, 12.2462, 16.4064



8.0622, 12.2462, 0.5571



6.7814, 12.2462, 51.6458

Complementary

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



24.4105, 12.2462, 16.4064



20.0436, 37.8268, 13.6480

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.



4.7780, 12.2462, 28.4934



24.4105, 12.2462, 16.4064



5.3516, 12.2462, 2.7110

Square

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



24.4105, 12.2462, 16.4064



12.6681, 12.2462, 0.1543



4.3443, 12.2462, 10.6714



10.6684, 12.2462, 65.5121

Rectangle

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



24.4105, 12.2462, 16.4064



20.2096, 12.2462, 1.7662



4.3443, 12.2462, 10.6714



5.9169, 12.2462, 44.1301

Sweetspot

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



24.4108, 12.2469, 16.4066



65.9320, 54.7723, 72.5063



12.4182, 5.3160, 49.6618



13.9358, 11.1366, 15.1441



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.



24.4108, 12.2469, 16.4066



43.5942, 21.8830, 28.7249



21.6048, 11.1245, 1.6304



9.7584, 9.6277, 11.1169



16.0826, 8.0642, 10.9947



0.6618, 0.3286, 0.5983

Inverse Universe

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



24.4108, 12.2469, 16.4066



43.5942, 21.8830, 28.7249



26.0683, 40.2367, 45.3735



9.7584, 9.6277, 11.1169



16.0826, 8.0642, 10.9947



0.6618, 0.3286, 0.5983

Previews

White Background



This preview shows how the XYZ color 24.4105, 12.2462, 16.4064 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 24.4105, 12.2462, 16.4064 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

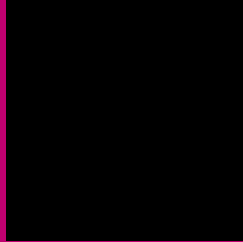
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.4105, 12.2462, 16.4064

Background



This preview shows how black text looks on a background with the XYZ color 24.4105, 12.2462, 16.4064.



This preview shows how white text looks on a background with the XYZ color 24.4105, 12.2462,

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

24.4105, 12.2462, 16.4064

Protanopia

13.9554, 13.0747, 35.5063

Deuteranopia

13.1730, 12.9861, 14.9090



Tritanopia

21.8679, 12.5556, 3.7535

Trichromacy



Original Color

24.4105, 12.2462, 16.4064



Protanomaly

14.2066, 9.3897, 27.0502



Deuteranomaly

15.0239, 9.9958, 15.0474



Tritanomaly

22.2285, 11.9515, 6.7655

Monochromacy



Original Color

24.4105, 12.2462, 16.4064



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 24.4105, 12.2462, 16.4064 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(191, 0, 112)` looks like.

```
.text, #text, p{  
    color:rgb(191, 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(191, 0, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 0, 112) }
```

Border

The CSS property to change the border of an element to XYZ 24.4105, 12.2462, 16.4064 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(191, 0, 112) }
```


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

```
.border{ border-color:rgb(191, 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(191, 0, 112) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 0, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 0, 112);  
box-shadow:4px 4px 4px 4px rgb(191, 0,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 24.4105, 12.2462, 16.4064 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 0, 112) }
```

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

```
.background{ background-color: rgb(191, 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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