

Converting Colors

XYZ(24.3174, 12.2162, 15.5876)

Have a look what the booklet for
XYZ(24.3174, 12.2162, 15.5876)
contains.

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Color

**XYZ(24.2462, 12.1805,
15.5412)**

Conversions

Conversions Part 1

Format	Color
Hex	BF006D
RGB	191, 0, 109
RGB Percent	75%, 0%, 43%
CMY	0.2510, 0.9999, 0.5725
CMYK	0.00, 1.00, 0.43, 0.25
HSL	326°, 100%, 37%
HSV	326°, 100%, 75%
XYZ	24.2462, 12.1805, 15.5412
YIQ	69.5350, 78.8470, 74.3910

Conversions

Conversions Part 2

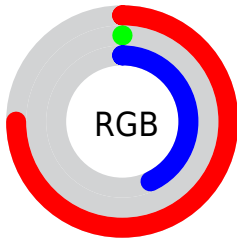
Format	Color
RYB	191, 0, 109
Decimal	12517485
CIELab	41.50, 69.25, -5.38
CIELCh	42, 69.464, 355.557
Yxy	12.1805, 0.4666, 0.2344
Android (android.graphics.Color)	4290707565 (0xFFBF006D)
YUV	69.5350, 19.4562, 106.5248
Hunter-Lab	34.9006, 62.9319, -1.9714

Details

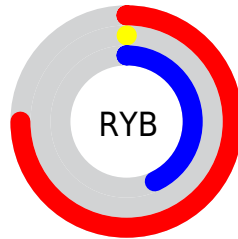
The XYZ color **24.2462, 12.1805, 15.5412** is a dark color, and the websafe version is hex **CC0066**. A complement of this color would be **20.1554, 37.8715, 14.2367**, and the grayscale version is **5.7073, 6.0045, 6.5389**.

A 20% lighter version of the original color is **49.7385, 29.7305, 36.3748**, and **10.2296, 5.1731, 5.0168** is the 20% darker color. If you saturate the color by 10%, you get **24.2454, 12.1802, 15.5373**, and if you desaturate by 10%, it is **24.9437, 12.8357, 18.0548**.

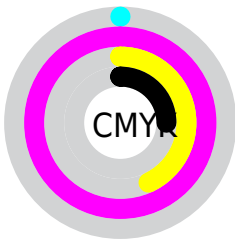
Distribution



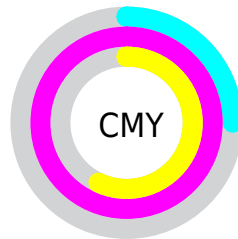
- Red (75%)
- Green (0%)
- Blue (43%)



- Red (75%)
- Yellow (0%)
- Blue (43%)



- Cyan (0%)
- Magenta (100%)
- Yellow (43%)
- Black (25%)





- Cyan (25%)
- Magenta (100%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.2462, 12.1805, 15.5412 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 24.2462, 12.1805, 15.5412 by changing the saturation by 10% instead.


 24.2462, 12.1805,
15.5412

 24.2462, 12.1805,
15.5412


266.4803,
205.5966, 238.3716


 15.6421, 6.8667,
9.0493


 49.8834, 29.8234,
36.5555


 9.3605, 3.3789,
4.6761


 67.6472, 42.9214,
51.9149


 5.0360, 1.3326,
2.0031

 89.1950, 59.3828,
71.0673

 2.3034, 0.1662,
0.5572

 114.8920, 79.5922,
94.4311

 0.7964, 0.0000,
0.0000

 145.1037,
103.9339, 122.4248

 0.0000, 0.0000,
0.0000

 180.1954,

132.7922, 155.4672

220.5325,
166.5517, 193.9765

■ 24.2462, 12.1805,
15.5412

■ 24.2462, 12.1805,
15.5412

■ 24.2454, 12.1802,
15.5373

■ 24.9437, 12.8357,
18.0548

■ 25.9139, 13.9685,
20.8677

■ 27.2410, 15.7459,
24.0134

■ 28.9681, 18.2523,
27.5111

■ 31.1318, 21.5594,
31.3778

■ 33.7643, 25.7301,
35.6288

■ 36.8947, 30.8210,
40.2784

■ 40.5495, 36.8840,
45.3397

■ 44.7534, 43.9670,
50.8253

Harmonies

Analogous

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



21.6031, 12.1805, 36.1028



24.2462, 12.1805, 15.5412



22.7662, 12.1805, 4.5048

Triad

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



24.2462, 12.1805, 15.5412



7.8651, 12.1805, 0.6214



6.8984, 12.1805, 52.0959

Complementary

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



24.2462, 12.1805, 15.5412



20.1554, 37.8715, 14.2367

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.



4.8289, 12.1805, 29.2909



24.2462, 12.1805, 15.5412



5.2621, 12.1805, 2.9183

Square

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



24.2462, 12.1805, 15.5412



12.3477, 12.1805, 0.1608



4.3316, 12.1805, 11.2182



10.8395, 12.1805, 64.9923

Rectangle

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



24.2462, 12.1805, 15.5412



19.8179, 12.1805, 1.6555



4.3316, 12.1805, 11.2182



6.0115, 12.1805, 44.7820

Sweetspot

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



24.2465, 12.1812, 15.5414



65.7812, 54.7120, 71.7120



12.6791, 5.4505, 49.6740



13.8990, 11.1219, 14.9506



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.



24.2465, 12.1812, 15.5414



43.2995, 21.7651, 27.1730



21.5793, 11.1143, 1.4961



9.7521, 9.6251, 11.0835



15.9748, 8.0211, 10.4268



0.6579, 0.3271, 0.5779

Inverse Universe

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



24.2465, 12.1812, 15.5414



43.2995, 21.7651, 27.1730



26.3775, 40.3603, 47.0018



9.7521, 9.6251, 11.0835



15.9748, 8.0211, 10.4268



0.6579, 0.3271, 0.5779

Previews

White Background



This preview shows how the XYZ color 24.2462, 12.1805, 15.5412 looks on a white background.

Color Contrast Check

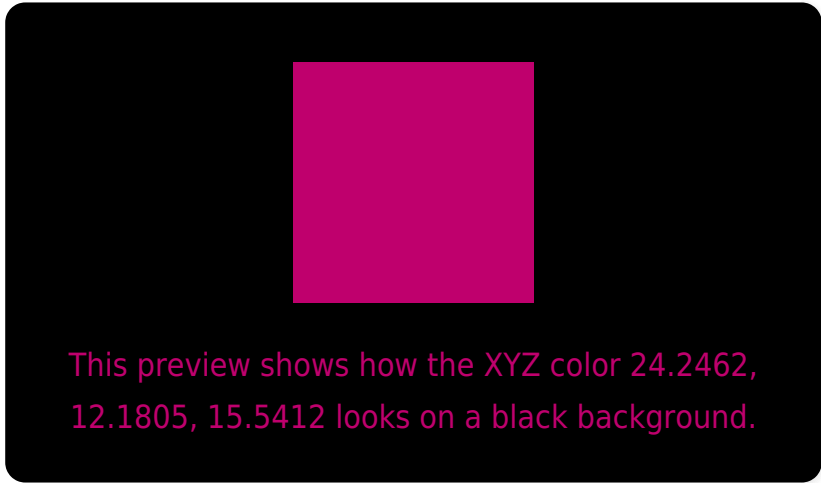
Large Text (above 18pt) WCAG AA ✓ Pass

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

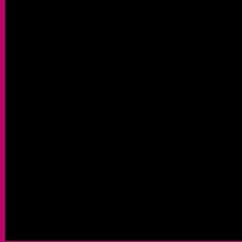
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 24.2462, 12.1805, 15.5412

Background



This preview shows how black text looks on a background with the XYZ color 24.2462, 12.1805, 15.5412.



This preview shows how white text looks on a background with the XYZ color 24.2462, 12.1805,

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

24.2462, 12.1805, 15.5412

Protanopia

13.7721, 13.0203, 33.6856

Deuteranopia

13.0541, 12.8040, 14.0953



Tritanopia

21.8120, 12.4744, 3.6411

Trichromacy



Original Color

24.2462, 12.1805, 15.5412



Protanomaly

14.2569, 9.4415, 25.8819



Deuteranomaly

14.8688, 9.9337, 14.2304



Tritanomaly

22.1744, 11.8926, 6.5956

Monochromacy



Original Color

24.2462, 12.1805, 15.5412



Achromatopsia

5.8214, 6.1246, 6.6697



Achromatomaly

9.4780, 6.0943, 9.0643

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.2462, 12.1805, 15.5412 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, 109)` looks like.

```
.text, #text, p{  
    color:rgb(191, 0, 109)  
}
```

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, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 0, 109) }
```

Border

The CSS property to change the border of an element to XYZ 24.2462, 12.1805, 15.5412 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, 109) }
```


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

```
.border{ border-color:rgb(191, 0, 109) }
```

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, 109) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 0, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 0, 109);  
box-shadow:4px 4px 4px 4px rgb(191, 0,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 24.2462, 12.1805, 15.5412 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, 109) }
```

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

```
.background{ background-color: rgb(191, 0,  
109) }
```

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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