

Converting Colors

XYZ(24.2108, 12.1000, 18.3502)

Have a look what the booklet for
XYZ(24.2108, 12.1000, 18.3502)
contains.

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Color

**XYZ(24.2563, 12.1268,
18.2018)**

Conversions

Conversions Part 1

Format	Color
Hex	BD0076
RGB	189, 0, 118
RGB Percent	74%, 0%, 46%
CMY	0.2588, 0.9999, 0.5373
CMYK	0.00, 1.00, 0.38, 0.26
HSL	323°, 100%, 37%
HSV	323°, 100%, 74%
XYZ	24.2563, 12.1268, 18.2018
YIQ	69.9630, 74.7660, 76.7660

Conversions

Conversions Part 2

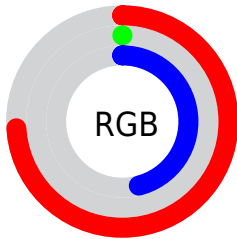
Format	Color
RYB	189, 0, 118
Decimal	12386422
CIELab	41.42, 69.66, -11.18
CIELCh	41, 70.555, 350.883
Yxy	12.1268, 0.4444, 0.2222
Android (android.graphics.Color)	4290576502 (0xFFBD0076)
YUV	69.9630, 23.6822, 104.3954
Hunter-Lab	34.8236, 63.3927, -6.6136

Details

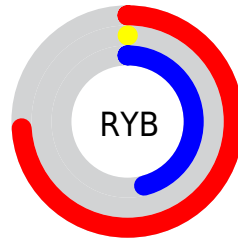
The XYZ color **24.2563, 12.1268, 18.2018** is a dark color, and the websafe version is hex **CC3399**. A complement of this color would be **19.3363, 36.8508, 12.0600**, and the grayscale version is **5.7713, 6.0718, 6.6122**.

A 20% lighter version of the original color is **49.9285, 29.7233, 41.1358**, and **10.3114, 5.1880, 6.2523** is the 20% darker color. If you saturate the color by 10%, you get **24.2557, 12.1266, 18.1984**, and if you desaturate by 10%, it is **24.9261, 12.7655, 20.5862**.

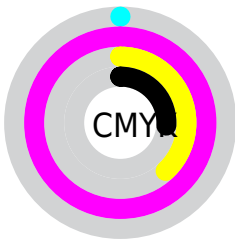
Distribution



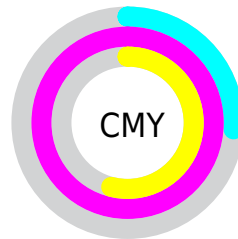
- Red (74%)
- Green (0%)
- Blue (46%)



- Red (74%)
- Yellow (0%)
- Blue (46%)



- Cyan (0%)
- Magenta (100%)
- Yellow (38%)
- Black (26%)




- Cyan (26%)
- Magenta (100%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.2563, 12.1268, 18.2018 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 24.2563, 12.1268, 18.2018 by changing the saturation by 10% instead.


 24.2563, 12.1268,
18.2018


 24.2563, 12.1268,
18.2018


266.5302,
205.2429, 254.2802


 15.6496, 6.8301,
10.9240


 49.8998, 29.7258,
41.1995


 9.3658, 3.3561,
5.9022


 67.6672, 42.7970,
57.7564


 5.0396, 1.3203,
2.7179

 89.2190, 59.2283,
78.2435

 2.3055, 0.1569,
0.9524

 114.9205, 79.4044,
103.0794

 0.7975, 0.0000,
0.0000

 145.1370,
103.7095, 132.6824

 0.0000, 0.0000,
0.0000

 180.2339,

132.5280, 167.4712

220.5765,
166.2443, 207.8643

■ 24.2563, 12.1268,
18.2018

■ 24.2563, 12.1268,
18.2018

■ 24.2557, 12.1266,
18.1984

■ 24.9261, 12.7655,
20.5862

■ 25.8527, 13.8657,
23.2163

■ 27.1185, 15.5914,
26.1227

■ 28.7652, 18.0248,
29.3225

■ 30.8279, 21.2354,
32.8305

■ 33.3379, 25.2846,
36.6600

■ 36.3230, 30.2272,
40.8233

■ 39.8090, 36.1137,
45.3317

■ 43.8196, 42.9906,
50.1958

Harmonies

Analogous

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



20.9908, 12.1268, 40.2257



24.2563, 12.1268, 18.2018



23.4075, 12.1268, 5.4807

Triad

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



24.2563, 12.1268, 18.2018



8.3573, 12.1268, 0.3837



6.3583, 12.1268, 49.4528

Complementary

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



24.2563, 12.1268, 18.2018



19.3363, 36.8508, 12.0600

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.



4.5513, 12.1268, 26.0407



24.2563, 12.1268, 18.2018



5.4449, 12.1268, 2.2009

Square

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



24.2563, 12.1268, 18.2018



13.1598, 12.1268, 0.1220



4.2756, 12.1268, 9.2167



10.0336, 12.1268, 65.2971

Rectangle

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



24.2563, 12.1268, 18.2018



20.7010, 12.1268, 2.0052



4.2756, 12.1268, 9.2167



5.5641, 12.1268, 41.6424

Sweetspot

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



24.2567, 12.1275, 18.2020



64.7688, 53.6591, 72.7306



11.6626, 4.9517, 48.4853



13.4246, 10.7009, 14.9512



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



24.2567, 12.1275, 18.2020



43.3217, 21.6706, 31.9603



21.1645, 10.8906, 1.9191



9.7738, 9.6338, 11.1979



16.3580, 8.1743, 12.4447



0.6715, 0.3325, 0.6495

Inverse Universe

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



24.2567, 12.1275, 18.2020



43.3217, 21.6706, 31.9603



24.8812, 39.0687, 41.2589



9.7738, 9.6338, 11.1979



16.3580, 8.1743, 12.4447



0.6715, 0.3325, 0.6495

Previews

White Background



This preview shows how the XYZ color 24.2563, 12.1268, 18.2018 looks on a white background.

Color Contrast Check

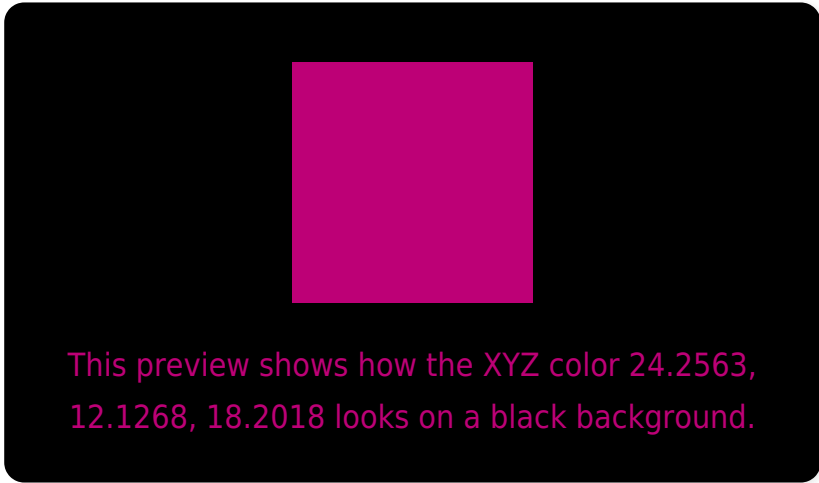
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.2563, 12.1268, 18.2018

Background



This preview shows how black text looks on a background with the XYZ color 24.2563, 12.1268, 18.2018.



This preview shows how white text looks on a background with the XYZ color 24.2563, 12.1268,

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

24.2563, 12.1268, 18.2018

Protanopia

14.0549, 12.9020, 39.2857

Deuteranopia

12.9149, 12.6784, 16.5183



Tritanopia

21.5576, 12.5607, 4.0846

Trichromacy



Original Color

24.2563, 12.1268, 18.2018



Protanomaly

14.0377, 9.1580, 29.8820



Deuteranomaly

14.8566, 9.8717, 16.7452



Tritanomaly

21.9166, 11.8487, 7.4352

Monochromacy



Original Color

24.2563, 12.1268, 18.2018



Achromatopsia

5.8214, 6.1246, 6.6697



Achromatomaly

9.4687, 6.0756, 9.6905

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.2563, 12.1268, 18.2018 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(189, 0, 118)` looks like.

```
.text, #text, p{  
    color:rgb(189, 0, 118)  
}
```

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(189, 0, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 0, 118) }
```

Border

The CSS property to change the border of an element to XYZ 24.2563, 12.1268, 18.2018 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(189, 0, 118) }
```


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

```
.border{ border-color:rgb(189, 0, 118) }
```

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

Here you see how a box with a 4 pixel rgb(189, 0, 118) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 0, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 0, 118);  
box-shadow:4px 4px 4px 4px rgb(189, 0,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 24.2563, 12.1268, 18.2018 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 0, 118) }
```

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

```
.background{ background-color: rgb(189, 0,  
118) }
```

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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