

Converting Colors

XYZ(29.3467, 15.3514, 38.6091)

Have a look what the booklet for
XYZ(29.3467, 15.3514, 38.6091)
contains.

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Color

**XYZ(29.2469, 15.2897,
38.4555)**

Conversions

Conversions Part 1

Format	Color
Hex	BF26A8
RGB	191, 38, 168
RGB Percent	75%, 15%, 66%
CMY	0.2510, 0.8509, 0.3412
CMYK	0.00, 0.80, 0.12, 0.25
HSL	309°, 67%, 45%
HSV	309°, 80%, 75%
XYZ	29.2469, 15.2897, 38.4555
YIQ	98.5670, 49.4580, 72.8660

Conversions

Conversions Part 2

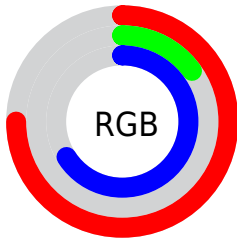
Format	Color
RYB	191, 38, 168
Decimal	12527272
CIELab	46.03, 70.20, -34.43
CIELCh	46, 78.183, 333.875
Yxy	15.2897, 0.3524, 0.1842
Android (android.graphics.Color)	4290717352 (0xFFBF26A8)
YUV	98.5670, 34.2305, 81.0637
Hunter-Lab	39.1020, 65.0829, -30.9382

Details

The XYZ color **29.2469, 15.2897, 38.4555** is a dark color, and the websafe version is hex **CC0099**. A complement of this color would be **20.2733, 38.0114, 10.6846**, and the grayscale version is **11.6604, 12.2677, 13.3595**.

A 20% lighter version of the original color is **57.9896, 35.3938, 74.2963**, and **12.7674, 6.2244, 16.7482** is the 20% darker color. If you saturate the color by 10%, you get **28.5207, 14.2605, 36.9082**, and if you desaturate by 10%, it is **30.2931, 16.9489, 40.1389**.

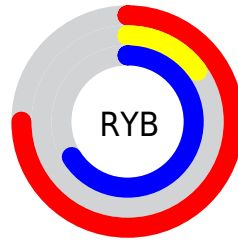
Distribution



Red (75%)

Green (15%)

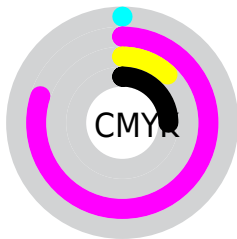
Blue (66%)



Red (75%)

Yellow (15%)

Blue (66%)

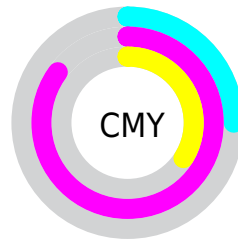


Cyan (0%)

Magenta (80%)

Yellow (12%)

Black (25%)



Cyan (25%)


Magenta (85%)


Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.2469, 15.2897, 38.4555 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 29.2469, 15.2897, 38.4555 by changing the saturation by 10% instead.

 29.2469, 15.2897,
38.4555


 29.2469, 15.2897,
38.4555


290.3514,
225.1131, 354.9265


 19.4129, 9.0230,
26.0318


 57.8640, 35.3606,
74.0169

 12.0748, 4.7562,
16.6215


 77.3778, 49.9336,
97.9917


 6.8672, 2.1049,
9.8059

 100.8489, 68.0440,
126.6541

 3.4248, 0.6674,
5.1665

 128.6426, 90.0764,
160.4224

 1.3822, 0.0000,
2.2849

 161.1244,
116.4151, 199.7152

 0.2435, 0.0000,
0.7227

 198.6595,

 0.0000, 0.0000,

147.4445, 244.9512

0.0000

241.6134,
183.5490, 296.5488

■ 29.2469, 15.2897,
38.4555

■ 29.2469, 15.2897,
38.4555

■ 28.5207, 14.2605,
36.9082

■ 30.2931, 16.9489,
40.1389

■ 28.0332, 13.6953,
35.4819

■ 31.7000, 19.3202,
41.9717

■ 33.5037, 22.4757,
43.9664

■ 35.7357, 26.4780,
46.1335

■ 38.4241, 31.3835,
48.4826

■ 41.5947, 37.2438,
51.0225

■ 45.2714, 44.1062,
53.7613

■ 49.4764, 52.0154,
56.7066

■ 54.2305, 61.0131,
59.8655

Harmonies

Analogous

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



22.8595, 15.2897, 69.0835



29.2469, 15.2897, 38.4555



31.3239, 15.2897, 14.3002

Triad

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



29.2469, 15.2897, 38.4555



13.6877, 15.2897, 0.0947



6.3095, 15.2897, 46.4178

Complementary

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



29.2469, 15.2897, 38.4555



20.2733, 38.0114, 10.6846

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.



5.1629, 15.2897, 19.2394



29.2469, 15.2897, 38.4555



8.5217, 15.2897, 1.0108

Square

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



29.2469, 15.2897, 38.4555



20.8999, 15.2897, 0.6407



5.8283, 15.2897, 5.1908



9.6106, 15.2897, 75.6535

Rectangle

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



29.2469, 15.2897, 38.4555



29.5854, 15.2897, 5.8114



5.8283, 15.2897, 5.1908



5.7140, 15.2897, 36.2296

Sweetspot

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



29.2474, 15.2905, 38.4558



71.9567, 61.9964, 89.3908



12.0193, 6.1392, 49.8424



15.3588, 12.7976, 19.2720



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.



29.2474, 15.2905, 38.4558



50.4284, 24.7885, 64.1836



24.0919, 13.2283, 11.3073



9.8666, 9.6710, 11.6867



18.4465, 9.0097, 23.4424



0.7395, 0.3597, 1.0077

Inverse Universe

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



29.2474, 15.2905, 38.4558



50.4284, 24.7885, 64.1836



23.9787, 39.4935, 30.1971



9.8666, 9.6710, 11.6867



18.4465, 9.0097, 23.4424



0.7395, 0.3597, 1.0077

Previews

White Background



This preview shows how the XYZ color 29.2469, 15.2897, 38.4555 looks on a white background.

Color Contrast Check

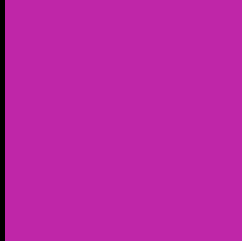
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.2469, 15.2897, 38.4555 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

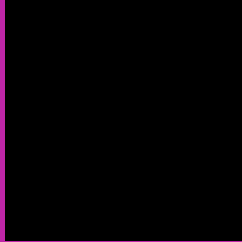
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 29.2469, 15.2897, 38.4555

Background



This preview shows how black text looks on a background with the XYZ color 29.2469, 15.2897, 38.4555.



This preview shows how white text looks on a background with the XYZ color 29.2469, 15.2897,

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

29.2469, 15.2897, 38.4555

Protanopia

18.8815, 15.7991, 74.0059

Deuteranopia

16.0410, 15.6646, 34.9790



Tritanopia

23.0491, 15.2602, 8.9384

Trichromacy



Original Color

29.2469, 15.2897, 38.4555



Protanomaly

16.4161, 11.5578, 59.1233



Deuteranomaly

18.3672, 13.3072, 35.7829



Tritanomaly

24.4927, 14.6937, 16.5842

Monochromacy



Original Color

29.2469, 15.2897, 38.4555



Achromatopsia

11.8596, 12.4772, 13.5877



Achromatomaly

15.8077, 11.6685, 20.4879

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.2469, 15.2897, 38.4555 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, 38, 168)` looks like.

```
.text, #text, p{  
    color:rgb(191, 38, 168)  
}
```

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, 38, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 38, 168) }
```

Border

The CSS property to change the border of an element to XYZ 29.2469, 15.2897, 38.4555 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, 38, 168) }
```


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

```
.border{ border-color:rgb(191, 38, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 38, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(191, 38, 168); -webkit-box-shadow:4px 4px 4px 4px rgb(191, 38, 168); box-shadow:4px 4px 4px 4px rgb(191, 38, 168) }
```

Background

The CSS property to change the background color of an element to XYZ 29.2469, 15.2897, 38.4555 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 38, 168) }
```

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

```
.background{ background-color: rgb(191, 38,  
168) }
```

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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