

Converting Colors

XYZ(29.2565, 16.2985, 41.2414)

Have a look what the booklet for
XYZ(29.2565, 16.2985, 41.2414)
contains.

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Color

**XYZ(29.2067, 16.2846,
41.1390)**

Conversions

Conversions Part 1

Format	Color
Hex	BA38AD
RGB	186, 56, 173
RGB Percent	73%, 22%, 68%
CMY	0.2706, 0.7804, 0.3216
CMYK	0.00, 0.70, 0.07, 0.27
HSL	306°, 54%, 47%
HSV	306°, 70%, 73%
XYZ	29.2067, 16.2846, 41.1390
YIQ	108.2080, 39.9230, 63.9470

Conversions

Conversions Part 2

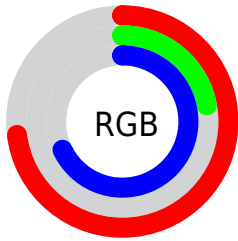
Format	Color
R_{YB}	186, 56, 173
Decimal	12204205
CIE _{Lab}	47.35, 64.36, -35.37
CIE _{LCh}	47, 73.441, 331.210
Yxy	16.2846, 0.3371, 0.1880
Android (android.graphics.Color)	4290394285 (0xFFBA38AD)
YUV	108.2080, 31.9425, 68.2236
Hunter-Lab	40.3542, 58.5712, -32.1952

Details

The XYZ color **29.2067, 16.2846, 41.1390** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **20.2648, 36.3889, 11.5871**, and the grayscale version is **14.2185, 14.9589, 16.2903**.

A 20% lighter version of the original color is **57.8164, 37.1042, 78.2433**, and **12.4434, 6.0232, 18.2760** is the 20% darker color. If you saturate the color by 10%, you get **28.2883, 14.7334, 39.9510**, and if you desaturate by 10%, it is **30.4636, 18.5079, 42.4524**.

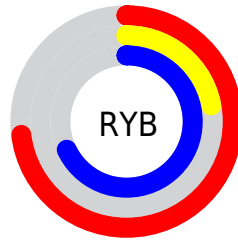
Distribution



Red (73%)

Green (22%)

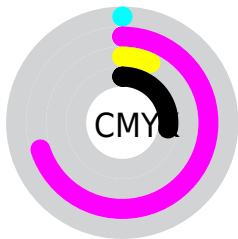
Blue (68%)



Red (73%)

Yellow (22%)

Blue (68%)

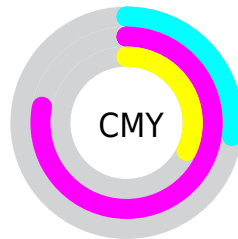


Cyan (0%)

Magenta (70%)

Yellow (7%)

Black (27%)



Cyan (27%)

Magenta (78%)

Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.2067, 16.2846, 41.1390 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 29.2067, 16.2846, 41.1390 by changing the saturation by 10% instead.

■ 29.2067, 16.2846,
41.1390

■ 29.2067, 16.2846,
41.1390

290.1656,
231.0153, 366.5951

■ 19.3823, 9.7258,
28.1072

■ 57.8006, 37.0916,
78.1508

■ 12.0525, 5.2175,
18.1667

■ 77.3009, 52.1085,
102.9679

■ 6.8519, 2.3754,
10.8991

■ 100.7571, 70.7136,
132.5505

■ 3.4152, 0.8132,
5.8857

■ 128.5347, 93.2913,
167.3172

■ 1.3769, 0.0000,
2.7080

■ 160.9990,
120.2259, 207.6864

■ 0.2397, 0.0000,
0.9475

198.5153,

■ 0.0000, 0.0000,

151.9018, 254.0768

0.0000

241.4491,
188.7035, 306.9068

■ 29.2067, 16.2846,
41.1390

■ 29.2067, 16.2846,
41.1390

■ 28.2883, 14.7334,
39.9510

■ 30.4636, 18.5079,
42.4524

■ 27.6673, 13.7735,
38.8744

■ 32.0905, 21.4675,
43.9014

■ 27.2661, 13.2493,
37.8833

■ 34.1172, 25.2228,
45.4962

■ 27.2619, 13.2440,
37.8725

■ 36.5701, 29.8263,
47.2456

■ 39.4732, 35.3263,
49.1576

■ 42.8488, 41.7672,
51.2397

■ 46.7178, 49.1906,
53.4989

■ 51.0996, 57.6356,
55.9417

■ 56.0127, 67.1391,
58.5744

Harmonies

Analogous

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



22.8937, 16.2846, 69.2913



29.2067, 16.2846, 41.1390



31.6237, 16.2846, 16.9867

Triad

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



29.2067, 16.2846, 41.1390



15.2159, 16.2846, 0.5737



7.0649, 16.2846, 43.4740

Complementary

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



29.2067, 16.2846, 41.1390



20.2648, 36.3889, 11.5871

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.



6.0481, 16.2846, 18.4970



29.2067, 16.2846, 41.1390



9.8664, 16.2846, 1.3600

Square

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



29.2067, 16.2846, 41.1390



22.3059, 16.2846, 1.2282



6.9097, 16.2846, 5.4811



10.2085, 16.2846, 71.1816

Rectangle

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



29.2067, 16.2846, 41.1390



30.2854, 16.2846, 7.6834



6.9097, 16.2846, 5.4811



6.5101, 16.2846, 34.0753

Sweetspot

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



29.2073, 16.2854, 41.1393



70.7268, 62.4719, 88.5757



12.7322, 7.6397, 47.2584



15.2429, 13.1266, 19.2902



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.



29.2073, 16.2854, 41.1393



50.5928, 25.6254, 71.3160



24.3714, 14.3510, 15.6741



9.3412, 9.1468, 11.1440



18.3565, 8.9164, 25.5620



0.6584, 0.3188, 0.9604

Inverse Universe

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



29.2073, 16.2854, 41.1393



50.5928, 25.6254, 71.3160



23.4937, 37.6805, 28.5903



9.3412, 9.1468, 11.1440



18.3565, 8.9164, 25.5620



0.6584, 0.3188, 0.9604

Previews

White Background



This preview shows how the XYZ color 29.2067, 16.2846, 41.1390 looks on a white background.

Color Contrast Check

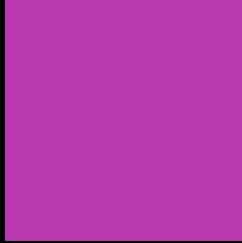
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.2067, 16.2846, 41.1390 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

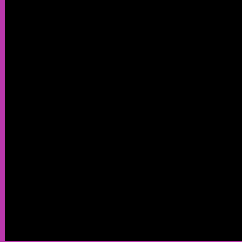
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 29.2067, 16.2846, 41.1390

Background



This preview shows how black text looks on a background with the XYZ color 29.2067, 16.2846, 41.1390.



This preview shows how white text looks on a background with the XYZ color 29.2067, 16.2846,

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

29.2067, 16.2846, 41.1390

Protanopia

19.6020, 16.7156, 70.5999

Deuteranopia

16.9086, 16.5440, 37.4241



Tritanopia

23.0279, 16.2549, 11.3750

Trichromacy



Original Color

29.2067, 16.2846, 41.1390



Protanomaly

19.3791, 14.1588, 58.8383



Deuteranomaly

19.4064, 14.8799, 38.4085



Tritanomaly

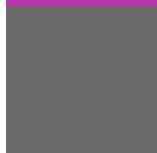
24.5951, 15.8245, 19.5274

Monochromacy



Original Color

29.2067, 16.2846, 41.1390



Achromatopsia

14.2537, 14.9960, 16.3306



Achromatomaly

17.8906, 14.0449, 23.5978

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.2067, 16.2846, 41.1390 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(186, 56, 173)` looks like.

```
.text, #text, p{  
    color:rgb(186, 56, 173)  
}
```

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(186, 56, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 56, 173) }
```

Border

The CSS property to change the border of an element to XYZ 29.2067, 16.2846, 41.1390 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(186, 56, 173) }
```


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

```
.border{ border-color:rgb(186, 56, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 56, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 56, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 56, 173);  
box-shadow:4px 4px 4px 4px rgb(186, 56,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 29.2067, 16.2846, 41.1390 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 56, 173) }
```

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

```
.background{ background-color: rgb(186, 56,  
173) }
```

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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