

Converting Colors

XYZ(47.2209, 29.5419, 68.0870)

Have a look what the booklet for
XYZ(47.2209, 29.5419, 68.0870)
contains.

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Color

**XYZ(47.2879, 29.5695,
68.1809)**

Conversions

Conversions Part 1

Format	Color
Hex	DF63D8
RGB	223, 99, 216
RGB Percent	87%, 39%, 85%
CMY	0.1255, 0.6117, 0.1529
CMYK	0.00, 0.56, 0.03, 0.13
HSL	303°, 66%, 63%
HSV	303°, 56%, 87%
XYZ	47.2879, 29.5695, 68.1809
YIQ	149.4140, 36.3470, 62.6750

Conversions

Conversions Part 2

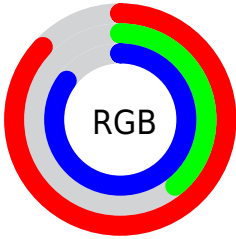
Format	Color
R _Y B	223, 99, 216
Decimal	14640088
CIE Lab	61.28, 63.09, -37.86
CIE LCh	61, 73.576, 329.029
Yxy	29.5695, 0.3260, 0.2039
Android (android.graphics.Color)	4292830168 (0xFFDF63D8)
YUV	149.4140, 32.8269, 64.5349
Hunter-Lab	54.3778, 60.0654, -36.2754

Details

The XYZ color **47.2879, 29.5695, 68.1809** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **34.1361, 56.4697, 22.7380**, and the grayscale version is **28.5978, 30.0871, 32.7648**.

A 20% lighter version of the original color is **71.0113, 51.9227, 100.8871**, and **22.7089, 12.0901, 34.8550** is the 20% darker color. If you saturate the color by 10%, you get **45.2977, 25.8479, 66.7177**, and if you desaturate by 10%, it is **49.8646, 34.4607, 69.8463**.

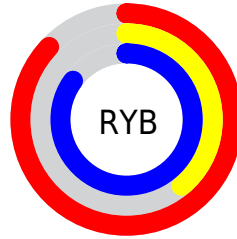
Distribution



Red (87%)

Green (39%)

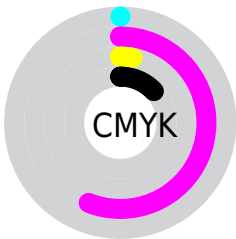
Blue (85%)



Red (87%)

Yellow (39%)

Blue (85%)

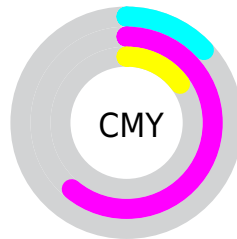


Cyan (0%)

Magenta (56%)

Yellow (3%)

Black (13%)



Cyan (13%)


Magenta (61%)


Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.2879, 29.5695, 68.1809 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 47.2879, 29.5695, 68.1809 by changing the saturation by 10% instead.


 47.2879, 29.5695,
68.1809


 47.2879, 29.5695,
68.1809


366.5923,
299.8926, 472.7521


 33.4722, 19.5121,
49.5773


 85.3593, 58.9807,
118.2676


 22.6494, 12.0409,
34.7088


 110.3458, 79.1032,
150.5877

 14.4541, 6.7715,
23.1569


 139.7866,
103.3496, 188.3171

 8.5210, 3.3196,
14.5030

 174.0470,
132.1042, 231.8743

 4.4847, 1.3008,
8.3286

213.4924,
165.7514, 281.6779

 1.9798, 0.1418,
4.2152

258.4882,

 0.6226, 0.0000,

204.6756, 338.1464

1.7441

309.3997,
249.2612, 401.6983

■ 0.0000, 0.0000,
0.3907

■ 0.0000, 0.0000,
0.0000

■ 47.2879, 29.5695,
68.1809

■ 47.2879, 29.5695,
68.1809

■ 45.2977, 25.8479,
66.7177

■ 49.8646, 34.4607,
69.8463

■ 43.8415, 23.1931,
65.4384


■ 53.0684, 40.6047,
71.7266


■ 42.8630, 21.4916,
64.3245


■ 56.9398, 48.0820,
73.8356


■ 42.2916, 20.6024,
63.3523


■ 61.5152, 56.9652,
76.1855


 42.1159, 20.3618,
62.9520

 66.8281, 67.3216,
78.7874

 72.9102, 79.2142,
81.6519

 79.7570, 92.6343,
84.7776

 79.9293, 92.7032,
85.6847

 80.1028, 92.7726,
86.5985

Harmonies

Analogous

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



38.1450, 29.5695, 104.9715



47.2879, 29.5695, 68.1809



51.1403, 29.5695, 33.1086

Triad

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



47.2879, 29.5695, 68.1809



28.4218, 29.5695, 2.8928



14.7637, 29.5695, 65.6313

Complementary

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



47.2879, 29.5695, 68.1809



34.1361, 56.4697, 22.7380

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.



13.2940, 29.5695, 31.3006



47.2879, 29.5695, 68.1809



20.0020, 29.5695, 4.4537

Square

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



47.2879, 29.5695, 68.1809



38.8191, 29.5695, 4.6999



14.9701, 29.5695, 11.8100



19.5694, 29.5695, 102.9964

Rectangle

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



47.2879, 29.5695, 68.1809



49.6424, 29.5695, 17.7494



14.9701, 29.5695, 11.8100



13.9197, 29.5695, 52.9045

Sweetspot

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



47.2889, 29.5709, 68.1815



82.3545, 75.2355, 102.7366



23.6317, 17.2683, 71.9005



17.3482, 15.5612, 21.8483



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



47.2889, 29.5709, 68.1815



60.9575, 34.2382, 90.0657



40.7941, 26.9729, 33.9802



14.2599, 13.9216, 17.1386



24.7776, 11.9780, 37.0902



1.7278, 0.8344, 2.6254

Inverse Universe

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



47.2889, 29.5709, 68.1815



60.9575, 34.2382, 90.0657



38.5281, 58.2265, 45.8660



14.2599, 13.9216, 17.1386



24.7776, 11.9780, 37.0902



1.7278, 0.8344, 2.6254

Previews

White Background



This preview shows how the XYZ color 47.2879, 29.5695, 68.1809 looks on a white background.

Color Contrast Check

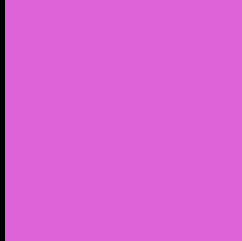
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the XYZ color 47.2879, 29.5695, 68.1809 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

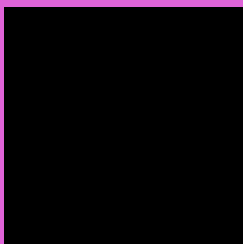
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 47.2879, 29.5695, 68.1809

Background



This preview shows how black text looks on a background with the XYZ color 47.2879, 29.5695, 68.1809.



This preview shows how white text looks on a background with the XYZ color 47.2879, 29.5695,

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

47.2879, 29.5695, 68.1809

Protanopia

33.4309, 30.1801, 98.6711

Deuteranopia

30.5713, 29.9335, 63.8410



Tritanopia

38.3072, 29.4326, 24.7811

Trichromacy



Original Color

47.2879, 29.5695, 68.1809



Protanomaly

35.2734, 27.8090, 86.7276



Deuteranomaly

34.6408, 28.3498, 65.2743



Tritanomaly

40.9534, 29.1352, 37.1834

Monochromacy



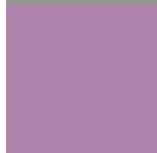
Original Color

47.2879, 29.5695, 68.1809



Achromatopsia

28.5667, 30.0544, 32.7292



Achromatomaly

33.5636, 28.4798, 43.2633

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.2879, 29.5695, 68.1809 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(223, 99, 216)` looks like.

```
.text, #text, p{  
    color:rgb(223, 99, 216)  
}
```

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(223, 99, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 99, 216) }
```

Border

The CSS property to change the border of an element to XYZ 47.2879, 29.5695, 68.1809 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(223, 99, 216) }
```


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

```
.border{ border-color:rgb(223, 99, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 99, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 99, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 99, 216);  
box-shadow:4px 4px 4px 4px rgb(223, 99,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 47.2879, 29.5695, 68.1809 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 99, 216) }
```

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

```
.background{ background-color: rgb(223, 99,  
216) }
```

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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