

Converting Colors

XYZ(45.6636, 29.0169, 68.1598)

Have a look what the booklet for
XYZ(45.6636, 29.0169, 68.1598)
contains.

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Color

**XYZ(45.6636, 29.0169,
68.1598)**

Conversions

Conversions Part 1

Format	Color
Hex	D965D8
RGB	217, 101, 216
RGB Percent	85%, 40%, 85%
CMY	0.1490, 0.6039, 0.1529
CMYK	0.00, 0.53, 0.00, 0.15
HSL	301°, 60%, 62%
HSV	301°, 53%, 85%
XYZ	45.6636, 29.0169, 68.1598
YIQ	148.7940, 32.2210, 60.3570

Conversions

Conversions Part 2

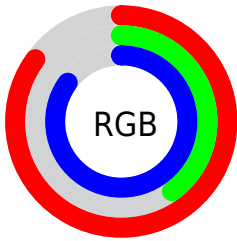
Format	Color
R_{YB}	217, 101, 216
Decimal	14247384
CIE _{Lab}	60.80, 60.58, -38.68
CIE _{LCh}	61, 71.879, 327.444
Yxy	29.0169, 0.3197, 0.2031
Android (android.graphics.Color)	4292437464 (0xFFD965D8)
YUV	148.7940, 33.1326, 59.8167
Hunter-Lab	53.8673, 57.0475, -37.3141

Details

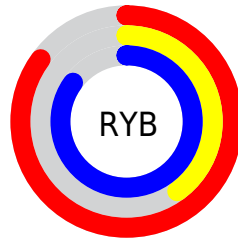
The XYZ color **45.6636, 29.0169, 68.1598** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **32.5792, 53.3529, 21.1530**, and the grayscale version is **28.3374, 29.8132, 32.4666**.

A 20% lighter version of the original color is **71.3470, 52.5939, 100.9990**, and **21.6318, 11.7455, 34.8452** is the 20% darker color. If you saturate the color by 10%, you get **43.8043, 25.3362, 67.4209**, and if you desaturate by 10%, it is **48.0811, 33.8124, 69.0854**.

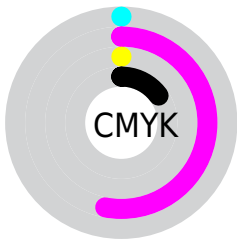
Distribution



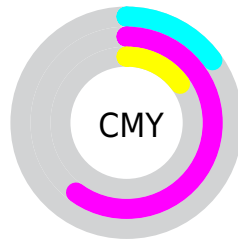
- Red (85%)
- Green (40%)
- Blue (85%)



- Red (85%)
- Yellow (40%)
- Blue (85%)



- Cyan (0%)
- Magenta (53%)
- Yellow (0%)
- Black (15%)




- Cyan (15%)
- Magenta (60%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.6636, 29.0169, 68.1598 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 45.6636, 29.0169, 68.1598 by changing the saturation by 10% instead.


 45.6636, 29.0169,
68.1598


 45.6636, 29.0169,
68.1598

360.1932,
297.2947, 472.6754


 32.1839, 19.0936,
49.5603


 82.9463, 58.1039,
118.2371


 21.6583, 11.7379,
34.6954


 107.4800, 78.0365,
150.5519

 13.7212, 6.5655,
23.1466


 136.4291,
102.0742, 188.2756

 8.0074, 3.1919,
14.4955

 170.1590,
130.6015, 231.8266

 4.1515, 1.2327,
8.3234

209.0350,
164.0028, 281.6236

 1.7882, 0.0882,
4.2119

253.4225,

 0.5106, 0.0000,

202.6625, 338.0850

1.7423

303.6867,
246.9650, 401.6294

■ 0.0000, 0.0000,
0.3895

■ 0.0000, 0.0000,
0.0000

■ 45.6636, 29.0169,
68.1598

■ 45.6636, 29.0169,
68.1598

■ 43.8043, 25.3362,
67.4209

■ 48.0811, 33.8124,
69.0854

■ 42.4553, 22.6769,
66.8520


■ 51.0937, 39.7988,
70.2092

■ 41.5659, 20.9368,
66.4365


■ 54.7386, 47.0498,
71.5440


■ 41.0736, 19.9908,
66.1534


■ 59.0493, 55.6322,
73.1008


 40.8980, 19.6649,
66.0171

 64.0567, 65.6080,
74.8900

 69.7899, 77.0354,
76.9212

 76.2763, 89.9693,
79.2037

 76.9650, 91.3077,
79.5538

 76.9895, 91.3174,
79.6825

Harmonies

Analogous

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



36.7164, 29.0169, 102.7908



45.6636, 29.0169, 68.1598



49.7033, 29.0169, 33.9453

Triad

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



45.6636, 29.0169, 68.1598



28.3887, 29.0169, 3.0289



14.5104, 29.0169, 61.7367

Complementary

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



45.6636, 29.0169, 68.1598



32.5792, 53.3529, 21.1530

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.



13.2432, 29.0169, 29.3548



45.6636, 29.0169, 68.1598



20.1004, 29.0169, 4.3972

Square

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



45.6636, 29.0169, 68.1598



38.4216, 29.0169, 5.0427



15.0389, 29.0169, 11.2066



18.9972, 29.0169, 97.8342

Rectangle

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



45.6636, 29.0169, 68.1598



48.5158, 29.0169, 18.5439



15.0389, 29.0169, 11.2066



13.7451, 29.0169, 49.6653

Sweetspot

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



45.6646, 29.0182, 68.1604



83.3306, 76.6518, 104.7142



22.5462, 17.0852, 67.7561



17.5545, 15.8457, 22.3116



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.



45.6646, 29.0182, 68.1604



62.8739, 36.0093, 97.0602



39.5282, 26.5636, 35.8463



13.6093, 13.2728, 16.4699



24.7593, 11.9048, 39.9742



1.6056, 0.7719, 2.5982

Inverse Universe

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



45.6646, 29.0182, 68.1604



62.8739, 36.0093, 97.0602



36.4389, 54.8968, 41.4780



13.6093, 13.2728, 16.4699



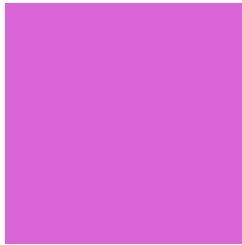
24.7593, 11.9048, 39.9742



1.6056, 0.7719, 2.5982

Previews

White Background



This preview shows how the XYZ color 45.6636, 29.0169, 68.1598 looks on a white background.

Color Contrast Check

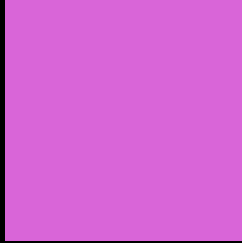
Large Text (above 18pt) WCAG AA ✓ Pass

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 45.6636, 29.0169, 68.1598 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

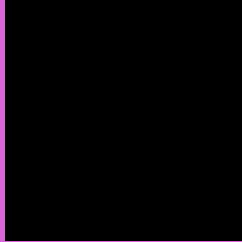
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 45.6636, 29.0169, 68.1598

Background



This preview shows how black text looks on a background with the XYZ color 45.6636, 29.0169, 68.1598.

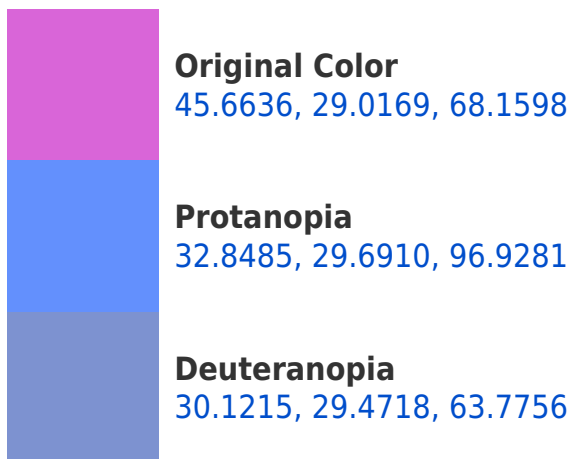


This preview shows how white text looks on a background with the XYZ color 45.6636, 29.0169,

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





Tritanopia

36.8565, 28.8504, 25.4559

Trichromacy



Original Color

45.6636, 29.0169, 68.1598



Protanomaly

34.6027, 27.4804, 85.9186



Deuteranomaly

33.8411, 27.9375, 65.2369



Tritanomaly

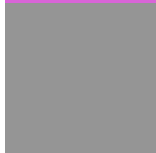
39.4921, 28.5279, 38.0753

Monochromacy



Original Color

45.6636, 29.0169, 68.1598



Achromatopsia

28.5667, 30.0544, 32.7292



Achromatomaly

33.2496, 28.5183, 43.2873

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.6636, 29.0169, 68.1598 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(217, 101, 216)` looks like.

```
.text, #text, p{  
    color:rgb(217, 101, 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(217, 101, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 101, 216) }
```

Border

The CSS property to change the border of an element to XYZ 45.6636, 29.0169, 68.1598 is called "border". The border property can be set on classes, ids or directly on the HTML element.

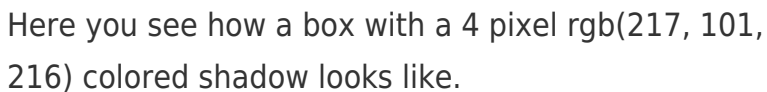
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(217, 101, 216) }
```


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

```
.border{ border-color:rgb(217, 101, 216) }
```

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



Here you see how a box with a 4 pixel rgb(217, 101, 216) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(217, 101, 216); -webkit-box-shadow:4px 4px 4px 4px rgb(217, 101, 216); box-shadow:4px 4px 4px 4px rgb(217, 101, 216) }
```

Background

The CSS property to change the background color of an element to XYZ 45.6636, 29.0169, 68.1598 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 101, 216) }
```

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

```
.background{ background-color: rgb(217,  
101, 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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