

Converting Colors

XYZ(29.6939, 16.4646, 13.7149)

Have a look what the booklet for
XYZ(29.6939, 16.4646, 13.7149)
contains.

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Color

**XYZ(29.5717, 16.4294,
13.6692)**

Conversions

Conversions Part 1

Format	Color
Hex	D12E64
RGB	209, 46, 100
RGB Percent	82%, 18%, 39%
CMY	0.1804, 0.8196, 0.6078
CMYK	0.00, 0.78, 0.52, 0.18
HSL	340°, 64%, 50%
HSV	340°, 78%, 82%
XYZ	29.5717, 16.4294, 13.6692
YIQ	100.8930, 79.8140, 51.3500

Conversions

Conversions Part 2

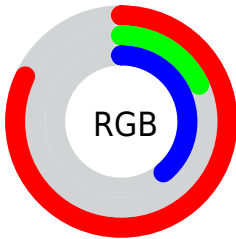
Format	Color
R_{YB}	209, 46, 100
Decimal	13708900
CIE _{Lab}	47.53, 64.96, 9.40
CIE _{LCh}	48, 65.632, 8.230
Yxy	16.4294, 0.4956, 0.2753
Android (android.graphics.Color)	4291898980 (0xFFD12E64)
YUV	100.8930, -0.4402, 94.8098
Hunter-Lab	40.5332, 59.2947, 8.3786

Details

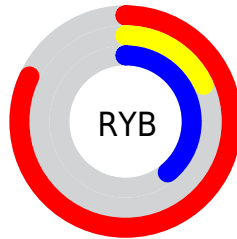
The XYZ color **29.5717, 16.4294, 13.6692** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark washed rose. A complement of this color would be **29.8450, 48.5488, 38.8135**, and the grayscale version is **12.3302, 12.9723, 14.1268**.

A 20% lighter version of the original color is **52.1885, 34.2195, 33.1325**, and **12.8786, 6.5622, 4.0779** is the 20% darker color. If you saturate the color by 10%, you get **28.3251, 14.9276, 10.1975**, and if you desaturate by 10%, it is **31.3323, 18.7736, 17.8852**.

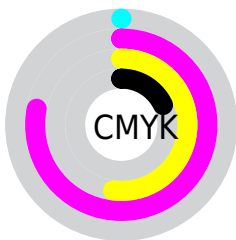
Distribution



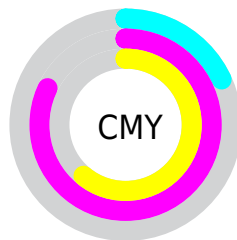
- Red (82%)
- Green (18%)
- Blue (39%)



- Red (82%)
- Yellow (18%)
- Blue (39%)



- Cyan (0%)
- Magenta (78%)
- Yellow (52%)
- Black (18%)




- Cyan (18%)
- Magenta (82%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.5717, 16.4294, 13.6692 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 29.5717, 16.4294, 13.6692 by changing the saturation by 10% instead.


 29.5717, 16.4294,
13.6692


 29.5717, 16.4294,
13.6692


291.8487,
231.8624, 226.5195


 19.6602, 9.8285,
7.7548


 58.3755, 37.3421,
33.2095


 12.2551, 5.2854,
3.8530


 77.9984, 52.4227,
47.6726


 6.9911, 2.4157,
1.5450


 101.5893, 71.0986,
65.8223

 3.5028, 0.8339,
0.2511

 129.5133, 93.7543,
88.0772

 1.4249, 0.0000,
0.0000

 162.1359,
120.7741, 114.8558

 0.2739, 0.0000,
0.0000

199.8224,

 0.0000, 0.0000,

152.5424, 146.5767

0.0000

242.9383,
189.4437, 183.6584

■ 29.5717, 16.4294,
13.6692

■ 29.5717, 16.4294,
13.6692

■ 28.3251, 14.9276,
10.1975

■ 31.3323, 18.7736,
17.8852

■ 27.5113, 14.1152,
7.4133

■ 33.6620, 22.0613,
22.8905

■ 27.3756, 13.9877,
6.9246

■ 36.6098, 26.3823,
28.7271

■ 40.2186, 31.8149,
35.4331

■ 44.5276, 38.4299,
43.0445

■ 49.5727, 46.2922,
51.5946

■ 55.3873, 55.4618,
61.1154

■ 62.0027, 65.9950,
71.6369

■ 69.4485, 77.9447,
83.1880

Harmonies

Analogous

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



28.5354, 16.4294, 32.6605



29.5717, 16.4294, 13.6692



26.1998, 16.4294, 4.4565

Triad

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



29.5717, 16.4294, 13.6692



9.6472, 16.4294, 2.6533



11.8108, 16.4294, 67.4486

Complementary

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



29.5717, 16.4294, 13.6692



29.8450, 48.5488, 38.8135

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.



8.3523, 16.4294, 46.0769



29.5717, 16.4294, 13.6692



7.3373, 16.4294, 8.4171

Square

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



29.5717, 16.4294, 13.6692



14.0629, 16.4294, 1.2061



6.9310, 16.4294, 22.8981



17.2787, 16.4294, 72.3140

Rectangle

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



29.5717, 16.4294, 13.6692



22.3043, 16.4294, 2.1124



6.9310, 16.4294, 22.8981



10.4188, 16.4294, 61.5160

Sweetspot

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



29.5721, 16.4304, 13.6695



73.4248, 65.8443, 73.6541



25.9405, 13.4945, 61.5587



15.1166, 13.1621, 14.7409



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.



29.5721, 16.4304, 13.6695



43.4669, 22.4309, 12.7932



29.1820, 18.5410, 4.6268



11.9679, 11.8719, 13.1069



16.9200, 8.6409, 4.4851



0.9825, 0.4977, 0.4427

Inverse Universe

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



29.5721, 16.4304, 13.6695



43.4669, 22.4309, 12.7932



29.3300, 38.5729, 66.2207



11.9679, 11.8719, 13.1069



16.9200, 8.6409, 4.4851



0.9825, 0.4977, 0.4427

Previews

White Background



This preview shows how the XYZ color 29.5717, 16.4294, 13.6692 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 29.5717, 16.4294, 13.6692 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 29.5717, 16.4294, 13.6692

Background



This preview shows how black text looks on a background with the XYZ color 29.5717, 16.4294, 13.6692.



This preview shows how white text looks on a background with the XYZ color 29.5717, 16.4294,

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

29.5717, 16.4294, 13.6692

Protanopia

16.5850, 16.8107, 25.2923

Deuteranopia

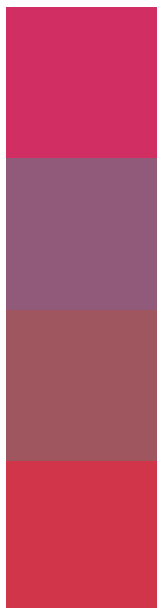
16.9161, 16.6155, 12.4408



Tritanopia

27.9847, 16.5074, 5.8490

Trichromacy



Original Color

29.5717, 16.4294, 13.6692

Protanomaly

18.7623, 14.5696, 20.2357

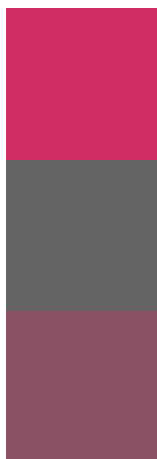
Deuteranomaly

19.8906, 14.9554, 12.6648

Tritanomaly

28.5216, 16.4505, 8.1506

Monochromacy



Original Color

29.5717, 16.4294, 13.6692

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

16.1066, 12.3999, 13.8564

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.5717, 16.4294, 13.6692 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(209, 46, 100)` looks like.

```
.text, #text, p{  
    color:rgb(209, 46, 100)  
}
```

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(209, 46, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 46, 100) }
```

Border

The CSS property to change the border of an element to XYZ 29.5717, 16.4294, 13.6692 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(209, 46, 100) }
```


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

```
.border{ border-color:rgb(209, 46, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 46, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 46, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 46, 100);  
box-shadow:4px 4px 4px 4px rgb(209, 46,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 29.5717, 16.4294, 13.6692 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 46, 100) }
```

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

```
.background{ background-color: rgb(209, 46,  
100) }
```

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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