

Converting Colors

XYZ(29.1948, 14.3635, 13.1840)

Have a look what the booklet for
XYZ(29.1948, 14.3635, 13.1840)
contains.

XYZ(29.4516, 14.9171, 13.3836)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(29.4516, 14.9171,
13.3836)**

Conversions

Conversions Part 1

Format	Color
Hex	D40064
RGB	212, 0, 100
RGB Percent	83%, 0%, 39%
CMY	0.1686, 0.9998, 0.6078
CMYK	0.00, 1.00, 0.53, 0.17
HSL	332°, 100%, 42%
HSV	332°, 100%, 83%
XYZ	29.4516, 14.9171, 13.3836
YIQ	74.7880, 94.2520, 76.0440

Conversions

Conversions Part 2

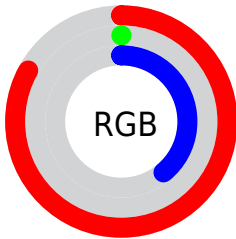
Format	Color
R_{YB}	212, 0, 100
Decimal	13893732
CIE _{Lab}	45.52, 73.17, 6.63
CIE _{LCh}	46, 73.471, 5.176
Yxy	14.9171, 0.5100, 0.2583
Android (android.graphics.Color)	4292083812 (0xFFD40064)
YUV	74.7880, 12.4295, 120.3349
Hunter-Lab	38.6227, 68.5250, 6.4906

Details

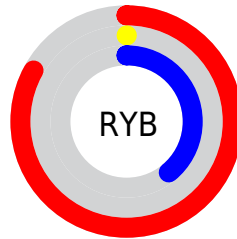
The XYZ color **29.4516, 14.9171, 13.3836** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **26.4708, 48.2578, 23.2607**, and the grayscale version is **6.6202, 6.9650, 7.5849**.

A 20% lighter version of the original color is **50.3174, 30.6068, 32.1098**, and **13.2435, 6.7504, 4.0950** is the 20% darker color. If you saturate the color by 10%, you get **29.4505, 14.9167, 13.3781**, and if you desaturate by 10%, it is **30.3043, 15.6944, 16.5295**.

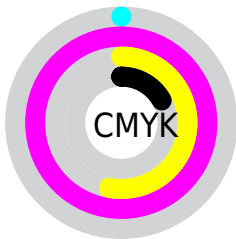
Distribution



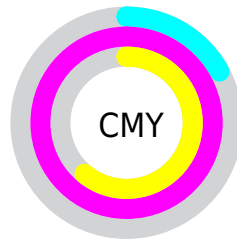
- Red (83%)
- Green (0%)
- Blue (39%)



- Red (83%)
- Yellow (0%)
- Blue (39%)



- Cyan (0%)
- Magenta (100%)
- Yellow (53%)
- Black (17%)




- Cyan (17%)
- Magenta (100%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.4516, 14.9171, 13.3836 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 29.4516, 14.9171, 13.3836 by changing the saturation by 10% instead.


 29.4516, 14.9171,
13.3836


 29.4516, 14.9171,
13.3836


291.2957,
222.8639, 224.6552


 19.5687, 8.7612,
7.5594


 58.1864, 34.7077,
32.6925


 12.1884, 4.5858,
3.7306


 77.7691, 49.1112,
47.0142


 6.9452, 2.0063,
1.4788


 101.3157, 67.0327,
65.0056

 3.4739, 0.6111,
0.2020

 129.1916, 88.8566,
87.0851

 1.4090, 0.0000,
0.0000

 161.7623,
114.9672, 113.6712

 0.2626, 0.0000,
0.0000

 199.3929,

 0.0000, 0.0000,

145.7491, 145.1826

0.0000

242.4489,
181.5865, 182.0377

■ 29.4516, 14.9171,
13.3836

■ 29.4516, 14.9171,
13.3836

■ 29.4505, 14.9167,
13.3781

■ 30.3043, 15.6944,
16.5295

■ 31.5330, 17.0996,
20.1826

■ 33.2402, 19.3337,
24.3905

■ 35.4834, 22.5075,
29.1850

■ 38.3112, 26.7143,
34.5945

■ 41.7666, 32.0361,
40.6448

■ 45.8882, 38.5466,
47.3600

■ 50.7113, 46.3131,
54.7627

■ 56.2688, 55.3979,
62.8742

Harmonies

Analogous

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



27.7894, 14.9171, 34.9320



29.4516, 14.9171, 13.3836



26.1573, 14.9171, 3.5252

Triad

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



29.4516, 14.9171, 13.3836



8.4151, 14.9171, 1.3262



9.7838, 14.9171, 70.1678

Complementary

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



29.4516, 14.9171, 13.3836



26.4708, 48.2578, 23.2607

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.



6.5623, 14.9171, 44.4766



29.4516, 14.9171, 13.3836



5.9465, 14.9171, 5.7936

Square

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



29.4516, 14.9171, 13.3836



13.1414, 14.9171, 0.3714



5.3821, 14.9171, 19.4813



15.2682, 14.9171, 78.3755

Rectangle

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



29.4516, 14.9171, 13.3836



22.0291, 14.9171, 1.3039



5.3821, 14.9171, 19.4813



8.4570, 14.9171, 62.6893

Sweetspot

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



29.4520, 14.9180, 13.3838



69.4715, 58.1847, 71.5747



18.2590, 8.0408, 62.8768



14.2748, 11.5092, 14.3660



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.



29.4520, 14.9180, 13.3838



44.6458, 22.6223, 19.8647



27.1903, 14.0747, 1.2848



12.6646, 12.5173, 14.1740



18.2311, 9.2288, 8.5212



1.1413, 0.5733, 0.7332

Inverse Universe

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



29.4520, 14.9180, 13.3838



44.6458, 22.6223, 19.8647



34.5540, 50.0935, 70.1349



12.6646, 12.5173, 14.1740



18.2311, 9.2288, 8.5212



1.1413, 0.5733, 0.7332

Previews

White Background



This preview shows how the XYZ color 29.4516, 14.9171, 13.3836 looks on a white background.

Color Contrast Check

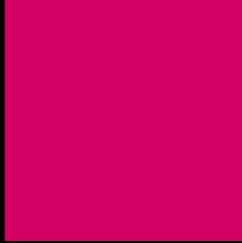
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.4516, 14.9171, 13.3836 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 29.4516, 14.9171, 13.3836

Background



This preview shows how black text looks on a background with the XYZ color 29.4516, 14.9171, 13.3836.



This preview shows how white text looks on a background with the XYZ color 29.4516, 14.9171,

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

29.4516, 14.9171, 13.3836

Protanopia

15.8350, 15.6909, 28.9821

Deuteranopia

15.7948, 15.5754, 12.0714



Tritanopia

27.4195, 15.2194, 3.4119

Trichromacy



Original Color

29.4516, 14.9171, 13.3836



Protanomaly

17.0751, 11.5039, 22.0894



Deuteranomaly

18.1281, 12.0916, 11.9681



Tritanomaly

27.7683, 14.7338, 5.7952

Monochromacy



Original Color

29.4516, 14.9171, 13.3836



Achromatopsia

6.6877, 7.0360, 7.6622



Achromatomaly

11.1146, 7.1140, 9.1748

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.4516, 14.9171, 13.3836 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(212, 0, 100)` looks like.

```
.text, #text, p{  
    color:rgb(212, 0, 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(212, 0, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 0, 100) }
```

Border

The CSS property to change the border of an element to XYZ 29.4516, 14.9171, 13.3836 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(212, 0, 100) }
```


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

```
.border{ border-color:rgb(212, 0, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 0, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 0, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 0, 100);  
box-shadow:4px 4px 4px 4px rgb(212, 0,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 29.4516, 14.9171, 13.3836 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 0, 100) }
```

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

```
.background{ background-color: rgb(212, 0,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor