

Converting Colors

XYZ(28.4839, 16.1643, 14.1891)

Have a look what the booklet for
XYZ(28.4839, 16.1643, 14.1891)
contains.

XYZ(28.4839, 16.1643, 14.1891)	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(28.4839, 16.1643,
14.1891)**

Conversions

Conversions Part 1	
Format	Color
Hex	CC3366
RGB	204, 51, 102
RGB Percent	80%, 20%, 40%
CMY	0.2000, 0.8000, 0.6000
CMYK	0.00, 0.75, 0.50, 0.20
HSL	340°, 60%, 50%
HSV	340°, 75%, 80%
XYZ	28.4839, 16.1643, 14.1891
YIQ	102.5610, 74.8170, 48.2970

Conversions

Conversions Part 2

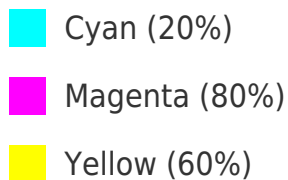
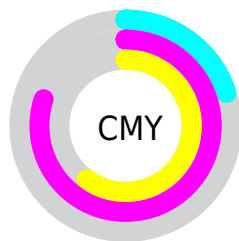
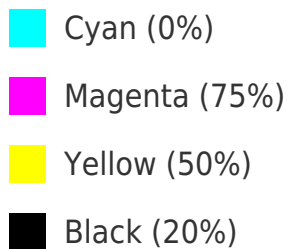
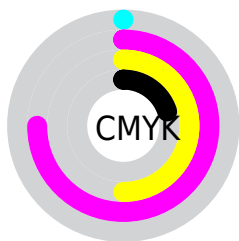
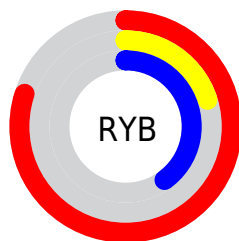
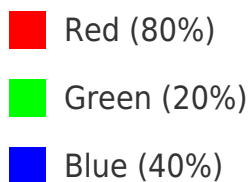
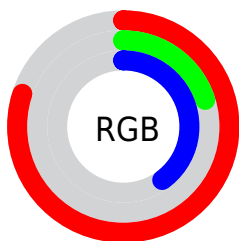
Format	Color
RYB	204, 51, 102
Decimal	13382502
CIELab	47.19, 62.23, 7.55
CIELCh	47, 62.687, 6.917
Yxy	16.1643, 0.4841, 0.2747
Android (android.graphics.Color)	4291572582 (0xFFCC3366)
YUV	102.5610, -0.2766, 88.9620
Hunter-Lab	40.2049, 56.1033, 7.2188

Details

The XYZ color **28.4839, 16.1643, 14.1891** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark muted rose. A complement of this color would be **28.7092, 46.1899, 37.5438**, and the grayscale version is **12.7644, 13.4292, 14.6244**.

A 20% lighter version of the original color is **52.5657, 34.7118, 34.0665**, and **12.2154, 6.2148, 4.2971** is the 20% darker color. If you saturate the color by 10%, you get **27.1597, 14.5083, 10.6884**, and if you desaturate by 10%, it is **30.3104, 18.6479, 18.4035**.


Distribution




Brightness & Saturation Gradients


These gradients show how the XYZ color 28.4839, 16.1643, 14.1891 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 28.4839, 16.1643, 14.1891 by changing the saturation by 10% instead.


 28.4839, 16.1643,
14.1891

 28.4839, 16.1643,
14.1891


286.8103,
230.3093, 229.8733


 18.8331, 9.6405,
8.1121


 56.6593, 36.8832,
34.1461


 11.6530, 5.1612,
4.0779


 75.9147, 51.8471,
48.8632


 6.5784, 2.3422,
1.6682


 99.1022, 70.3931,
67.2973

 3.2438, 0.7959,
0.3388

 126.5873, 92.9057,
89.8671

 1.2840, 0.0000,
0.0000

 158.7353,
119.7692, 116.9910

 0.1712, 0.0000,
0.0000


195.9115,


 0.0000, 0.0000,


151.3680, 149.0877


0.0000


238.4814,
188.0866, 186.5756

 28.4839, 16.1643,
14.1891


 28.4839, 16.1643,
14.1891


 27.1597, 14.5083,
10.6884


 30.3104, 18.6479,
18.4035


 26.2757, 13.5642,
7.8538


 32.6884, 22.0492,
23.3724


 25.9448, 13.2546,
6.6583


 35.6622, 26.4494,
29.1340


 39.2711, 31.9199,
35.7234

 43.5508, 38.5257,
43.1733

 48.5346, 46.3263,
51.5147

 54.2531, 55.3773,
60.7769

 60.7353, 65.7305,
70.9876

 68.0086, 77.4351,
82.1736

Harmonies

Analogous

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



27.3345, 16.1643, 32.4005



28.4839, 16.1643, 14.1891



25.5013, 16.1643, 4.9320

Triad

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



28.4839, 16.1643, 14.1891



9.8321, 16.1643, 2.7710



11.5686, 16.1643, 62.9524

Complementary

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



28.4839, 16.1643, 14.1891



28.7092, 46.1899, 37.5438

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.



8.3474, 16.1643, 42.8820



28.4839, 16.1643, 14.1891



7.5253, 16.1643, 8.1739

Square

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



28.4839, 16.1643, 14.1891



14.1212, 16.1643, 1.3877



7.0557, 16.1643, 21.5183



16.6769, 16.1643, 68.2670

Rectangle

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



28.4839, 16.1643, 14.1891



21.9121, 16.1643, 2.4448



7.0557, 16.1643, 21.5183



10.2702, 16.1643, 57.3000

Sweetspot

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



28.4843, 16.1652, 14.1894



74.2427, 67.1018, 75.0928



25.2208, 13.5008, 58.4031



15.4313, 13.6464, 15.2930



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.



28.4843, 16.1652, 14.1894



43.9962, 22.9359, 14.6760



28.1192, 18.3157, 5.1865



11.3640, 11.2743, 12.4513



16.3689, 8.3582, 4.3956



0.8796, 0.4453, 0.4119

Inverse Universe

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



28.4843, 16.1652, 14.1894



43.9962, 22.9359, 14.6760



28.2852, 37.1044, 62.7976



11.3640, 11.2743, 12.4513



16.3689, 8.3582, 4.3956



0.8796, 0.4453, 0.4119

Previews

White Background



This preview shows how the XYZ color 28.4839, 16.1643, 14.1891 looks on a white background.

Color Contrast Check

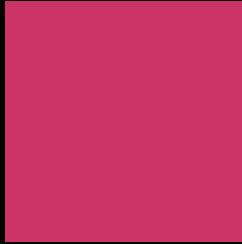
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.4839, 16.1643, 14.1891 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 28.4839, 16.1643, 14.1891

Background



This preview shows how black text looks on a background with the XYZ color 28.4839, 16.1643, 14.1891.

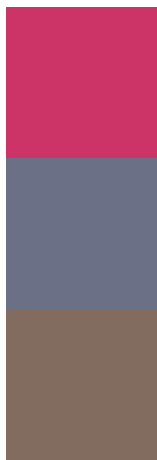


This preview shows how white text looks on a background with the XYZ color 28.4839, 16.1643,

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

28.4839, 16.1643, 14.1891

Protanopia

16.3517, 16.5258, 25.2496

Deuteranopia

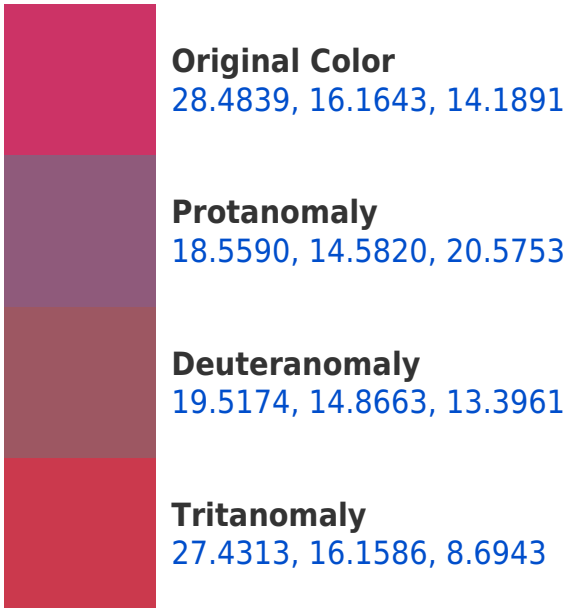
16.6340, 16.2972, 13.0954



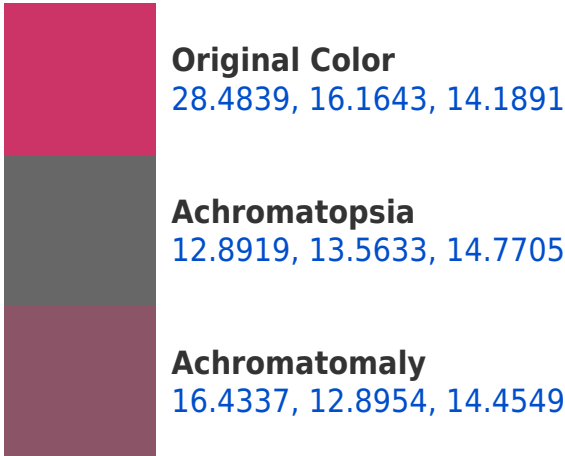
Tritanopia

26.8702, 16.1472, 6.4031

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.4839, 16.1643, 14.1891 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(204, 51, 102)` looks like.

```
.text, #text, p{  
    color:rgb(204, 51, 102)  
}
```

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(204, 51, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 51, 102) }
```

Border

The CSS property to change the border of an element to XYZ 28.4839, 16.1643, 14.1891 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(204, 51, 102) }
```


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

```
.border{ border-color:rgb(204, 51, 102) }
```

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

Here you see how a box with a 4 pixel rgb(204, 51, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 51, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 51, 102);  
box-shadow:4px 4px 4px 4px rgb(204, 51,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 28.4839, 16.1643, 14.1891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 51, 102) }
```

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

```
.background{ background-color: rgb(204, 51,  
102) }
```

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