

Converting Colors

XYZ(44.6297, 29.1043, 66.8838)

Have a look what the booklet for
XYZ(44.6297, 29.1043, 66.8838)
contains.

XYZ(44.6297, 29.1043, 66.8838)	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(44.6297, 29.1043,
66.8838)**

Conversions

Conversions Part 1

Format	Color
Hex	D569D6
RGB	213, 105, 214
RGB Percent	84%, 41%, 84%
CMY	0.1647, 0.5882, 0.1608
CMYK	0.00, 0.51, 0.00, 0.16
HSL	299°, 57%, 63%
HSV	299°, 51%, 84%
XYZ	44.6297, 29.1043, 66.8838
YIQ	149.7180, 29.3790, 56.7950

Conversions

Conversions Part 2

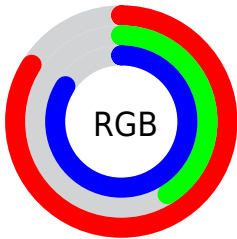
Format	Color
R _Y B	213, 105, 214
Decimal	13986262
CIE Lab	60.87, 57.27, -37.47
CIE LCh	61, 68.444, 326.804
Yxy	29.1043, 0.3174, 0.2070
Android (android.graphics.Color)	4292176342 (0xFFD569D6)
YUV	149.7180, 31.6910, 55.4983
Hunter-Lab	53.9484, 53.2574, -35.7423

Details

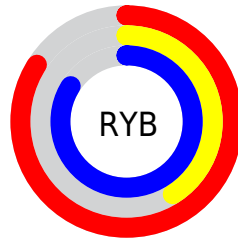
The XYZ color **44.6297, 29.1043, 66.8838** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **32.5412, 52.1779, 21.7223**, and the grayscale version is **28.7325, 30.2288, 32.9191**.

A 20% lighter version of the original color is **71.8608, 53.6216, 101.1703**, and **21.1089, 11.8523, 33.9761** is the 20% darker color. If you saturate the color by 10%, you get **42.6615, 25.2516, 66.2443**, and if you desaturate by 10%, it is **47.1484, 34.0563, 67.7073**.

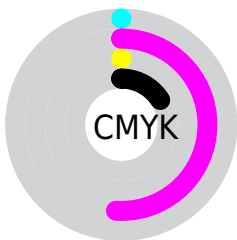
Distribution



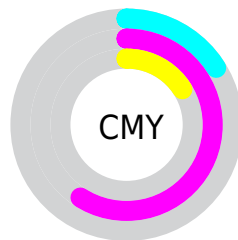
- Red (84%)
- Green (41%)
- Blue (84%)



- Red (84%)
- Yellow (41%)
- Blue (84%)



- Cyan (0%)
- Magenta (51%)
- Yellow (0%)
- Black (16%)




- Cyan (16%)
- Magenta (59%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 44.6297, 29.1043, 66.8838 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 44.6297, 29.1043, 66.8838 by changing the saturation by 10% instead.


 44.6297, 29.1043,
66.8838


 44.6297, 29.1043,
66.8838


356.0807,
297.7068, 468.0213


 31.3659, 19.1597,
48.5292

 81.4049, 58.2428,
116.3930

 21.0308, 11.7858,
33.8832

 105.6471, 78.2054,
148.3846

 13.2591, 6.5980,
22.5272


 134.2794,
102.2763, 185.7590

 7.6854, 3.2120,
14.0428

 167.6672,
130.8397, 228.9347

 3.9444, 1.2434,
8.0114

206.1759,
164.2800, 278.3302

 1.6708, 0.0967,
4.0143

250.1708,

 0.4379, 0.0000,

202.9817, 334.3641

1.6332

300.0173,
247.3292, 397.4550

■ 0.0000, 0.0000,
0.3144

■ 0.0000, 0.0000,
0.0000

■ 44.6297, 29.1043,
66.8838

■ 44.6297, 29.1043,
66.8838

■ 42.6615, 25.2516,
66.2443

■ 47.1484, 34.0563,
67.7073

■ 41.1987, 22.4104,
65.7730


■ 50.2520, 40.1789,
68.7255


■ 40.1944, 20.4859,
65.4545


■ 53.9759, 47.5420,
69.9504


■ 39.5913, 19.3639,
65.2697


■ 58.3517, 56.2088,
71.3927


 39.3001, 18.8578,
65.1873

 63.4089, 66.2383,
73.0620

 69.1753, 77.6858,
74.9677

 75.6768, 90.6037,
77.1184

 75.7962, 90.7573,
77.1418

 75.8537, 90.7869,
77.1445

Harmonies

Analogous

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



36.1353, 29.1043, 98.8076



44.6297, 29.1043, 66.8838



48.5507, 29.1043, 34.5058

Triad

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



44.6297, 29.1043, 66.8838



28.6294, 29.1043, 3.6019



15.0101, 29.1043, 59.3838

Complementary

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



44.6297, 29.1043, 66.8838



32.5412, 52.1779, 21.7223

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.



13.8346, 29.1043, 29.0310



44.6297, 29.1043, 66.8838



20.6303, 29.1043, 4.9647

Square

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



44.6297, 29.1043, 66.8838



38.1494, 29.1043, 5.8032



15.6548, 29.1043, 11.6942



19.2989, 29.1043, 93.0812

Rectangle

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



44.6297, 29.1043, 66.8838



47.5316, 29.1043, 19.5099



15.6548, 29.1043, 11.6942



14.2837, 29.1043, 48.1073

Sweetspot

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



44.6307, 29.1056, 66.8844



83.9095, 77.9105, 105.2235



23.2031, 18.3369, 65.9352



17.6649, 16.0914, 22.4249



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.



44.6307, 29.1056, 66.8844



63.2718, 37.2197, 98.4571



39.2451, 26.9849, 37.0063



12.9413, 12.6266, 15.6926



23.7595, 11.4010, 39.4015



1.4368, 0.6896, 2.3767

Inverse Universe

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



35.3856, 25.4411, 16.6825



48.0875, 31.2063, 15.7691



36.0176, 53.5549, 40.6452



12.4279, 12.4226, 12.9273



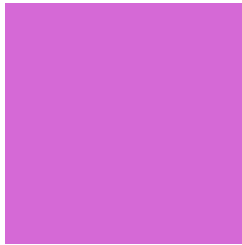
16.7705, 8.6445, 0.8296



1.0132, 0.5221, 0.0588

Previews

White Background



This preview shows how the XYZ color 44.6297, 29.1043, 66.8838 looks on a white background.

Color Contrast Check

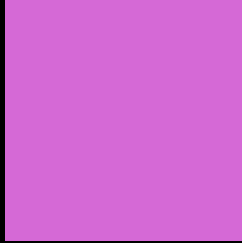
Large Text (above 18pt) WCAG AA ✓ Pass

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 44.6297, 29.1043, 66.8838 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

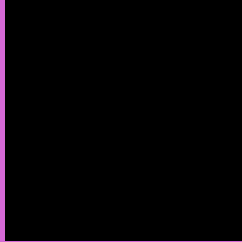
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 44.6297, 29.1043, 66.8838

Background



This preview shows how black text looks on a background with the XYZ color 44.6297, 29.1043, 66.8838.



This preview shows how white text looks on a background with the XYZ color 44.6297, 29.1043,

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

44.6297, 29.1043, 66.8838

Protanopia

32.4707, 29.6050, 91.9986

Deuteranopia

30.1456, 29.4984, 63.1364



Tritanopia

36.2653, 29.0850, 26.2568

Trichromacy



Original Color

44.6297, 29.1043, 66.8838



Protanomaly

34.4796, 27.8927, 82.1638



Deuteranomaly

33.8497, 28.1548, 64.6231



Tritanomaly

38.8214, 28.8666, 38.1760

Monochromacy



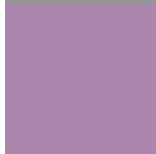
Original Color

44.6297, 29.1043, 66.8838



Achromatopsia

28.9890, 30.4987, 33.2131



Achromatomaly

33.3015, 28.9516, 43.3682

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.6297, 29.1043, 66.8838 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(213, 105, 214)` looks like.

```
.text, #text, p{  
    color:rgb(213, 105, 214)  
}
```

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(213, 105, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 105, 214) }
```

Border

The CSS property to change the border of an element to XYZ 44.6297, 29.1043, 66.8838 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(213, 105, 214) }
```


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

```
.border{ border-color:rgb(213, 105, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 105, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 105, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 105, 214);  
box-shadow:4px 4px 4px 4px rgb(213, 105,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 44.6297, 29.1043, 66.8838 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 105, 214) }
```

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

```
.background{ background-color: rgb(213,  
105, 214) }
```

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