

# Converting Colors

XYZ(43.8644, 29.1314, 64.8414)

Have a look what the booklet for  
XYZ(43.8644, 29.1314, 64.8414)  
contains.

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# Color

**XYZ(43.8795, 29.0674,  
64.9259)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D36BD3
RGB	211, 107, 211
RGB Percent	83%, 42%, 83%
CMY	0.1725, 0.5804, 0.1725
CMYK	0.00, 0.49, 0.00, 0.17
HSL	300°, 54%, 62%
HSV	300°, 49%, 83%
XYZ	43.8795, 29.0674, 64.9259
YIQ	149.9520, 28.6000, 54.3920

# Conversions

## Conversions Part 2

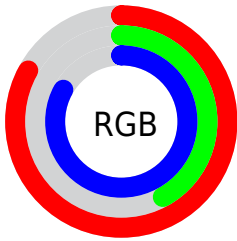
Format	Color
R <sub>Y</sub> B	211, 107, 211
Decimal	13855699
CIE Lab	60.84, 55.22, -35.85
CIE LCh	61, 65.843, 327.007
Yxy	29.0674, 0.3183, 0.2108
Android (android.graphics.Color)	4292045779 (0xFFD36BD3)
YUV	149.9520, 30.0967, 53.5391
Hunter-Lab	53.9142, 50.9271, -33.6598

# Details

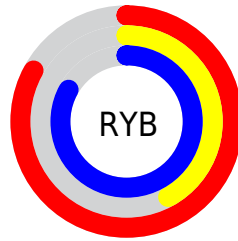
The XYZ color **43.8795, 29.0674, 64.9259** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **32.0127, 50.7769, 22.0252**, and the grayscale version is **28.8380, 30.3399, 33.0401**.

A 20% lighter version of the original color is **72.2103, 54.3207, 101.2868**, and **20.5552, 11.7263, 32.6325** is the 20% darker color. If you saturate the color by 10%, you get **41.9425, 25.1927, 64.2804**, and if you desaturate by 10%, it is **46.3552, 34.0181, 65.7515**.

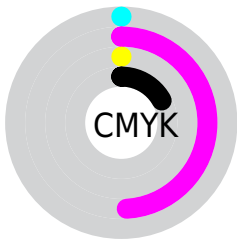
# Distribution



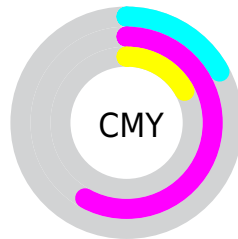
- Red (83%)
- Green (42%)
- Blue (83%)



- Red (83%)
- Yellow (42%)
- Blue (83%)



- Cyan (0%)
- Magenta (49%)
- Yellow (0%)
- Black (17%)




- Cyan (17%)
- Magenta (58%)
- Yellow (17%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.8795, 29.0674, 64.9259 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 43.8795, 29.0674, 64.9259 by changing the saturation by 10% instead.





 43.8795, 29.0674,  
64.9259


 43.8795, 29.0674,  
64.9259

353.0768,  
297.5328, 460.8246


 30.7733, 19.1318,  
46.9500


 80.2839, 58.1842,  
113.5556


 20.5773, 11.7656,  
32.6421


 104.3127, 78.1341,  
145.0465

 12.9260, 6.5843,  
21.5835


 132.7132,  
102.1910, 181.8794

 7.4543, 3.2035,  
13.3558

 165.8506,  
130.7392, 224.4730

 3.7966, 1.2389,  
7.5404

204.0903,  
164.1630, 273.2458

 1.5877, 0.0931,  
3.7188

247.7977,

 0.3844, 0.0000,

202.8470, 328.6163

1.4724

297.3381,  
247.1755, 391.0030

■ 0.0000, 0.0000,  
0.1972

■ 0.0000, 0.0000,  
0.0000

■ 43.8795, 29.0674,  
64.9259

■ 43.8795, 29.0674,  
64.9259

■ 41.9425, 25.1927,  
64.2804

■ 46.3552, 34.0181,  
65.7515

■ 40.5014, 22.3105,  
63.8000


■ 49.4023, 40.1122,  
66.7673


■ 39.5120, 20.3317,  
63.4701

■ 53.0544, 47.4164,  
67.9847


■ 38.9208, 19.1494,  
63.2730


■ 57.3417, 55.9910,  
69.4139


 38.6385, 18.5849,  
63.1788


 62.2925, 65.8925,  
71.0642

 38.6222, 18.5522,  
63.1733

 67.9331, 77.1737,  
72.9445

 74.2887, 89.8848,  
75.0631

 74.3824, 90.0723,  
75.0944

 74.3824, 90.0723,  
75.0945

# Harmonies

## Analogous

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



35.8055, 29.0674, 95.0545



43.8795, 29.0674, 64.9259



47.5645, 29.0674, 34.1777

# Triad

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



43.8795, 29.0674, 64.9259



28.4969, 29.0674, 4.0445



15.3944, 29.0674, 58.2771

# Complementary

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



43.8795, 29.0674, 64.9259



32.0127, 50.7769, 22.0252

# 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.



14.2239, 29.0674, 29.2491



43.8795, 29.0674, 64.9259



20.8008, 29.0674, 5.4756

# Square

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



43.8795, 29.0674, 64.9259



37.6060, 29.0674, 6.2767



15.9843, 29.0674, 12.2806



19.5918, 29.0674, 90.0176



# Rectangle

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



43.8795, 29.0674, 64.9259



46.5687, 29.0674, 19.7566



15.9843, 29.0674, 12.2806



14.6771, 29.0674, 47.5549

# Sweetspot

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



43.8805, 29.0687, 64.9265



84.0384, 77.9769, 105.2293



23.0803, 18.3458, 63.9535



17.6964, 16.1076, 22.4263



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.



43.8805, 29.0687, 64.9265



64.2957, 38.4917, 98.6479



38.3808, 26.8688, 35.9656



12.3109, 12.0091, 14.9128



23.3082, 11.1961, 38.1246



1.3032, 0.6260, 2.1317



# Inverse Universe

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



43.8805, 29.0687, 64.9265



64.2957, 38.4917, 98.6479



35.6169, 52.2186, 41.0043



12.3109, 12.0091, 14.9128



23.3082, 11.1961, 38.1246

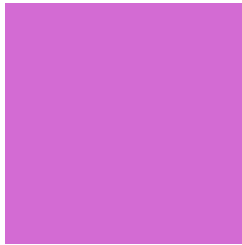


1.3032, 0.6260, 2.1317



# Previews

## White Background



This preview shows how the XYZ color 43.8795, 29.0674, 64.9259 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

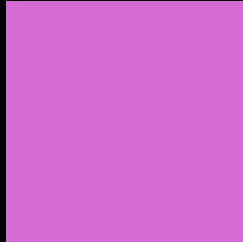
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 43.8795, 29.0674, 64.9259 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

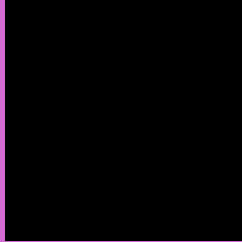
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 43.8795, 29.0674, 64.9259**

## **Background**



This preview shows how black text looks on a background with the XYZ color 43.8795, 29.0674, 64.9259.



This preview shows how white text looks on a background with the XYZ color 43.8795, 29.0674,



# 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

43.8795, 29.0674, 64.9259

### Protanopia

32.0637, 29.4831, 88.0053

### Deuteranopia

29.9266, 29.1996, 61.1855



## Tritanopia

36.0639, 28.9731, 26.6133

# Trichromacy



## Original Color

43.8795, 29.0674, 64.9259



## Protanomaly

34.2172, 28.0219, 79.2066



## Deuteranomaly

33.4793, 28.0067, 62.6728



## Tritanomaly

38.2661, 28.5803, 38.1500

# Monochromacy



## Original Color

43.8795, 29.0674, 64.9259



## Achromatopsia

28.9890, 30.4987, 33.2131



## Achromatomaly

32.9847, 28.7994, 42.8501

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.8795, 29.0674, 64.9259 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(211, 107, 211)` looks like.

```
.text, #text, p{  
    color:rgb(211, 107, 211)  
}
```

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(211, 107, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 107, 211) }
```

## Border

The CSS property to change the border of an element to XYZ 43.8795, 29.0674, 64.9259 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(211, 107, 211) }
```



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

```
.border{ border-color:rgb(211, 107, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 107, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 107, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 107, 211);  
box-shadow:4px 4px 4px 4px rgb(211, 107,  
211) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.8795, 29.0674, 64.9259 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 107, 211) }
```

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

```
.background{ background-color: rgb(211,  
107, 211) }
```

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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