

# Converting Colors

XYZ(56.3338, 44.6722, 80.1104)

Have a look what the booklet for  
XYZ(56.3338, 44.6722, 80.1104)  
contains.

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# Color

**XYZ(56.1299, 44.4563,  
79.7513)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DF9AE5
RGB	223, 154, 229
RGB Percent	87%, 60%, 90%
CMY	0.1255, 0.3961, 0.1020
CMYK	0.03, 0.33, 0.00, 0.10
HSL	295°, 59%, 75%
HSV	295°, 33%, 90%
XYZ	56.1299, 44.4563, 79.7513
YIQ	183.1810, 17.0490, 37.9530

# Conversions

## Conversions Part 2

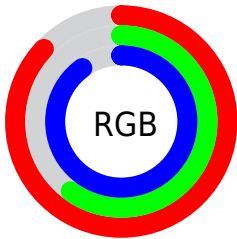
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	223, 154, 229
Decimal	14654181
CIE Lab	72.53, 37.88, -27.64
CIE LCh	73, 46.897, 323.885
Yxy	44.4563, 0.3112, 0.2465
Android (android.graphics.Color)	4292844261 (0xFFDF9AE5)
YUV	183.1810, 22.5888, 34.9213
Hunter-Lab	66.6756, 33.5855, -24.2445

# Details

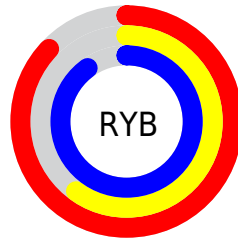
The XYZ color **56.1299, 44.4563, 79.7513** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **48.3507, 65.8464, 40.7352**, and the grayscale version is **44.9837, 47.3263, 51.5384**.

A 20% lighter version of the original color is **82.0905, 74.0809, 104.5802**, and **28.2305, 20.7354, 42.0496** is the 20% darker color. If you saturate the color by 10%, you get **52.1439, 37.3168, 78.5840**, and if you desaturate by 10%, it is **60.8458, 53.0447, 81.1611**.

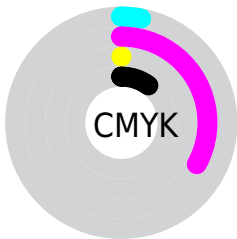
# Distribution



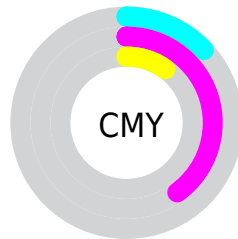
- Red (87%)
- Green (60%)
- Blue (90%)



- Red (87%)
- Yellow (60%)
- Blue (90%)



- Cyan (3%)
- Magenta (33%)
- Yellow (0%)
- Black (10%)



- Cyan (13%)
- Magenta (40%)
- Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 56.1299, 44.4563, 79.7513 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 56.1299, 44.4563, 79.7513 by changing the saturation by 10% instead.



56.1299, 44.4563,  
79.7513

56.1299, 44.4563,  
79.7513

400.2479,  
364.5671, 513.7790

40.5445, 31.0294,  
58.9888

98.3332, 81.9039,  
134.8243

28.1494, 20.6212,  
42.1841

125.6818,  
106.6934, 169.9717

18.5794, 12.8474,  
28.9188

157.6821,  
136.0393, 210.7513

11.4689, 7.3236,  
18.7744

194.6996,  
170.3258, 257.5815

6.4528, 3.6653,  
11.3322

237.0996,  
209.9375, 310.8808

3.1656, 1.4881,  
6.1738

285.2474,

1.2419, 0.2804,

255.2586, 371.0678

2.8805

339.5084,  
306.6737, 438.5610

■ 0.1391, 0.0000,  
1.0340

■ 0.0000, 0.0000,  
0.0000

■ 56.1299, 44.4563,  
79.7513

■ 56.1299, 44.4563,  
79.7513

■ 52.1439, 37.3168,  
78.5840

■ 60.8458, 53.0447,  
81.1611

■ 48.8424, 31.5381,  
77.6426

■ 66.3252, 63.1520,  
82.8232

■ 46.1815, 27.0317,  
76.9130

■ 72.6048, 74.8505,  
84.7503

■ 44.1105, 23.6960,  
76.3783

■ 79.7176, 88.2063,  
86.9533

42.5708, 21.4140,  
76.0190

83.2340, 94.3600,  
87.9558

41.4918, 20.0446,  
75.8115

83.8323, 94.6684,  
87.9838

40.9160, 19.4592,  
75.7289

84.4369, 94.9801,  
88.0121

85.0477, 95.2949,  
88.0407

85.6647, 95.6130,  
88.0695

# Harmonies

## Analogous

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



48.8812, 44.4563, 101.7330



56.1299, 44.4563, 79.7513



59.7140, 44.4563, 53.3151

# Triad

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



56.1299, 44.4563, 79.7513



43.9357, 44.4563, 16.2157



29.5508, 44.4563, 68.8107

# Complementary

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



56.1299, 44.4563, 79.7513



48.3507, 65.8464, 40.7352

# 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.



28.5803, 44.4563, 43.8066



56.1299, 44.4563, 79.7513



36.2553, 44.4563, 17.9979

# Square

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



56.1299, 44.4563, 79.7513



52.1175, 44.4563, 20.5688



30.8776, 44.4563, 26.5833



33.7214, 44.4563, 94.1327



# Rectangle

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



56.1299, 44.4563, 79.7513



59.2535, 44.4563, 38.4688



30.8776, 44.4563, 26.5833



28.8637, 44.4563, 59.9207

# Sweetspot

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



56.1313, 44.4582, 79.7523



86.7014, 84.4109, 106.3310



40.0853, 37.7576, 79.3046



18.3247, 17.6345, 22.6879



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.



56.1313, 44.4582, 79.7523



68.2366, 50.6285, 100.7835



54.0343, 43.8368, 58.8900



14.8754, 14.5535, 18.1694



23.4417, 11.1505, 43.2999



1.7662, 0.8415, 3.2013



# Inverse Universe

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



50.2153, 42.3092, 38.7794



59.7093, 47.5487, 40.9190



50.1306, 66.4231, 56.2180



14.4235, 14.3866, 15.1648



18.5562, 9.5567, 1.2921

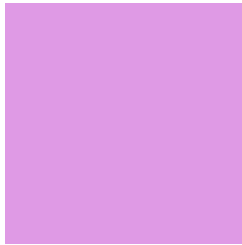


1.3876, 0.7127, 0.1816



# Previews

## White Background



This preview shows how the XYZ color 56.1299, 44.4563, 79.7513 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

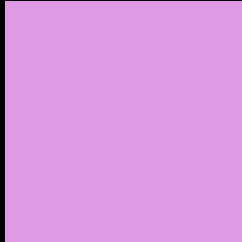
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 56.1299, 44.4563, 79.7513 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

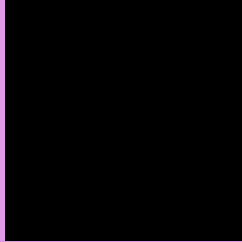
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 56.1299, 44.4563, 79.7513**

## **Background**



This preview shows how black text looks on a background with the XYZ color 56.1299, 44.4563, 79.7513.



This preview shows how white text looks on a background with the XYZ color 56.1299, 44.4563,



# 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

56.1299, 44.4563, 79.7513

### Protanopia

46.1073, 44.9123, 92.6250

### Deuteranopia

45.7152, 44.7541, 77.4631



## Tritanopia

49.5302, 44.3242, 47.5399

# Trichromacy



## Original Color

56.1299, 44.4563, 79.7513



## Protanomaly

48.8740, 44.1823, 87.6135



## Deuteranomaly

48.7814, 44.0756, 77.8879



## Tritanomaly

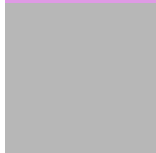
51.7480, 44.1872, 58.0261

# Monochromacy



## Original Color

56.1299, 44.4563, 79.7513



## Achromatopsia

45.0092, 47.3531, 51.5676



## Achromatomaly

48.4666, 45.6809, 60.9064

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 56.1299, 44.4563, 79.7513 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(223, 154, 229)` looks like.

```
.text, #text, p{  
    color:rgb(223, 154, 229)  
}
```

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(223, 154, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 154, 229) }
```

## Border

The CSS property to change the border of an element to XYZ 56.1299, 44.4563, 79.7513 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(223, 154, 229) }
```



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

```
.border{ border-color:rgb(223, 154, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 154, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 154, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 154, 229);  
box-shadow:4px 4px 4px 4px rgb(223, 154,  
229) }
```

# Background

The CSS property to change the background color of an element to XYZ 56.1299, 44.4563, 79.7513 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 154, 229) }
```

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

```
.background{ background-color: rgb(223,  
154, 229) }
```

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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