

Converting Colors

XYZ(40.6417, 29.2173, 56.9235)

Have a look what the booklet for
XYZ(40.6417, 29.2173, 56.9235)
contains.

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Color

**XYZ(40.6417, 29.2173,
56.9235)**

Conversions

Conversions Part 1

Format	Color
Hex	C975C6
RGB	201, 117, 198
RGB Percent	79%, 46%, 78%
CMY	0.2118, 0.5412, 0.2235
CMYK	0.00, 0.42, 0.01, 0.21
HSL	302°, 44%, 62%
HSV	302°, 42%, 79%
XYZ	40.6417, 29.2173, 56.9235
YIQ	151.3500, 24.0630, 42.9990

Conversions

Conversions Part 2

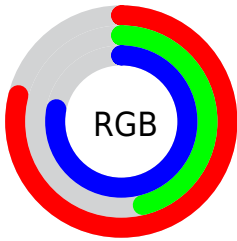
Format	Color
R _Y B	201, 117, 198
Decimal	13202886
CIE Lab	60.97, 44.91, -28.40
CIE LCh	61, 53.137, 327.686
Yxy	29.2173, 0.3206, 0.2305
Android (android.graphics.Color)	4291392966 (0xFFC975C6)
YUV	151.3500, 22.9985, 43.5431
Hunter-Lab	54.0530, 39.6188, -24.6015

Details

The XYZ color **40.6417, 29.2173, 56.9235** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **31.6142, 46.9123, 25.1597**, and the grayscale version is **29.4635, 30.9979, 33.7567**.

A 20% lighter version of the original color is **73.8529, 57.6058, 101.8343**, and **18.6014, 11.8140, 27.6855** is the 20% darker color. If you saturate the color by 10%, you get **38.4641, 24.9936, 55.7902**, and if you desaturate by 10%, it is **43.3244, 34.4493, 58.2276**.

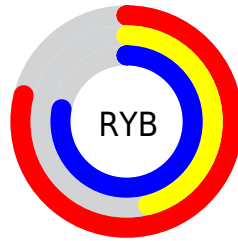
Distribution



Red (79%)

Green (46%)

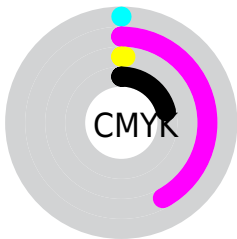
Blue (78%)



Red (79%)

Yellow (46%)

Blue (78%)

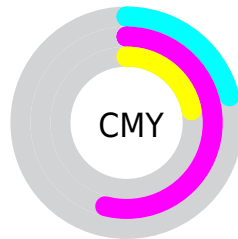


Cyan (0%)

Magenta (42%)

Yellow (1%)

Black (21%)



Cyan (21%)


Magenta (54%)

Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.6417, 29.2173, 56.9235 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 40.6417, 29.2173, 56.9235 by changing the saturation by 10% instead.


 40.6417, 29.2173,
56.9235


 40.6417, 29.2173,
56.9235


339.9091,
298.2389, 430.6483

 28.2257, 19.2453,
40.5349

 75.4178, 58.4222,
101.8528

 18.6372, 11.8476,
27.6389


 98.5086, 78.4238,
131.2305

 11.5108, 6.6400,
17.8169


 125.8884,
102.5374, 165.7750

 6.4814, 3.2380,
10.6506

157.9225,
131.1473, 205.9049

 3.1833, 1.2572,
5.7212

194.9762,
164.6381, 252.0386

 1.2514, 0.1077,
2.6103

237.4150,

 0.1464, 0.0000,

203.3940, 304.5947

0.8977

285.6042,
247.7994, 363.9918

■ 0.0000, 0.0000,
0.0000

■ 40.6417, 29.2173,
56.9235

■ 40.6417, 29.2173,
56.9235

■ 38.4641, 24.9936,
55.7902

■ 43.3244, 34.4493,
58.2276

■ 36.7561, 21.7094,
54.8152

■ 46.5390, 40.7449,
59.7107

■ 35.4826, 19.2933,
53.9869

■ 50.3136, 48.1600,
61.3824

■ 34.6019, 17.6623,
53.2914

■ 54.6737, 56.7455,
63.2512

■ 34.0643, 16.7169,
52.7123

■ 59.6433, 66.5492,
65.3251

■ 33.8052, 16.3047,
52.2990

■ 65.2448, 77.6162,
67.6116

■ 70.6304, 88.2507,
69.8281

■ 70.7162, 88.2851,
70.2800

■ 70.8024, 88.3195,
70.7339

Harmonies

Analogous

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



34.4423, 29.2173, 79.0652



40.6417, 29.2173, 56.9235



43.3493, 29.2173, 33.3806

Triad

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



40.6417, 29.2173, 56.9235



28.3124, 29.2173, 6.8693



17.5515, 29.2173, 53.0750

Complementary

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



40.6417, 29.2173, 56.9235



31.6142, 46.9123, 25.1597

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.



16.4579, 29.2173, 30.2946



40.6417, 29.2173, 56.9235



22.0207, 29.2173, 8.5544

Square

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



40.6417, 29.2173, 56.9235



35.5307, 29.2173, 9.2134



17.9512, 29.2173, 15.4459



21.2309, 29.2173, 76.2680

Rectangle

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



40.6417, 29.2173, 56.9235



42.5206, 29.2173, 21.5585



17.9512, 29.2173, 15.4459



16.8991, 29.2173, 44.8911

Sweetspot

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



40.6427, 29.2186, 56.9241



85.1814, 80.5669, 104.6728



24.6233, 20.9199, 57.9992



17.9111, 16.6131, 22.2632



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.



40.6427, 29.2186, 56.9241



66.2194, 43.4983, 95.7150



36.4675, 27.5485, 34.9381



11.0661, 10.8098, 13.3314



21.2627, 10.2546, 32.9229



1.0120, 0.4877, 1.5865

Inverse Universe

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



40.6427, 29.2186, 56.9241



66.2194, 43.4983, 95.7150



34.7277, 48.1577, 41.5556



11.0661, 10.8098, 13.3314



21.2627, 10.2546, 32.9229



1.0120, 0.4877, 1.5865

Previews

White Background



This preview shows how the XYZ color 40.6417, 29.2173, 56.9235 looks on a white background.

Color Contrast Check

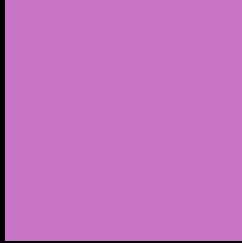
Large Text (above 18pt) WCAG AA ✓ Pass

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 40.6417, 29.2173, 56.9235 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

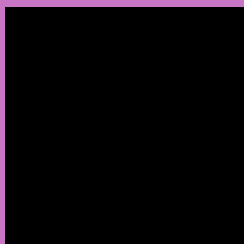
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 40.6417, 29.2173, 56.9235

Background



This preview shows how black text looks on a background with the XYZ color 40.6417, 29.2173, 56.9235.



This preview shows how white text looks on a background with the XYZ color 40.6417, 29.2173,

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

40.6417, 29.2173, 56.9235

Protanopia

31.0697, 29.5557, 71.7774

Deuteranopia

30.0676, 29.4194, 54.5459



Tritanopia

34.9644, 29.3280, 28.6290

Trichromacy



Original Color

40.6417, 29.2173, 56.9235



Protanomaly

33.3101, 28.6607, 66.0638



Deuteranomaly

33.0115, 28.7417, 55.4376



Tritanomaly

36.7926, 29.1108, 37.3980

Monochromacy



Original Color

40.6417, 29.2173, 56.9235



Achromatopsia

29.4150, 30.9469, 33.7012



Achromatomaly

32.6627, 29.7274, 41.0622

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.6417, 29.2173, 56.9235 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(201, 117, 198)` looks like.

```
.text, #text, p{  
    color:rgb(201, 117, 198)  
}
```

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(201, 117, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 117, 198) }
```

Border

The CSS property to change the border of an element to XYZ 40.6417, 29.2173, 56.9235 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(201, 117, 198) }
```


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

```
.border{ border-color:rgb(201, 117, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 117, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 117, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 117, 198);  
box-shadow:4px 4px 4px 4px rgb(201, 117,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 40.6417, 29.2173, 56.9235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 117, 198) }
```

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

```
.background{ background-color: rgb(201,  
117, 198) }
```

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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