

Converting Colors

XYZ(39.9616, 24.7065, 54.8149)

Have a look what the booklet for
XYZ(39.9616, 24.7065, 54.8149)
contains.

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Color

**XYZ(40.1145, 24.8319,
54.9033)**

Conversions

Conversions Part 1

Format	Color
Hex	D259C4
RGB	210, 89, 196
RGB Percent	82%, 35%, 77%
CMY	0.1765, 0.6510, 0.2314
CMYK	0.00, 0.58, 0.07, 0.18
HSL	307°, 57%, 59%
HSV	307°, 58%, 82%
XYZ	40.1145, 24.8319, 54.9033
YIQ	137.3770, 37.7690, 58.9290

Conversions

Conversions Part 2

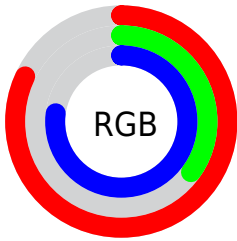
Format	Color
R _Y B	210, 89, 196
Decimal	13785540
CIE Lab	56.91, 60.78, -33.48
CIE LCh	57, 69.389, 331.153
Yxy	24.8319, 0.3347, 0.2072
Android (android.graphics.Color)	4291975620 (0xFFD259C4)
YUV	137.3770, 28.9011, 63.6904
Hunter-Lab	49.8316, 56.4873, -30.4422

Details

The XYZ color **40.1145, 24.8319, 54.9033** is a light color, and the websafe version is hex **CC66CC**. The color can be described as light muted magenta. A complement of this color would be **29.6157, 49.1972, 20.7687**, and the grayscale version is **23.8054, 25.0452, 27.2742**.

A 20% lighter version of the original color is **69.0950, 48.6026, 98.6680**, and **18.4346, 9.5558, 26.4640** is the 20% darker color. If you saturate the color by 10%, you get **38.3355, 21.7125, 52.9569**, and if you desaturate by 10%, it is **42.3980, 28.9520, 57.0404**.

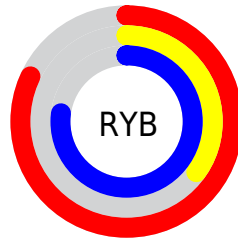
Distribution



Red (82%)

Green (35%)

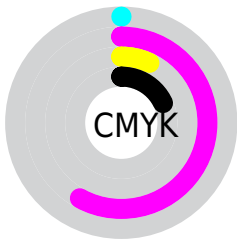
Blue (77%)



Red (82%)

Yellow (35%)

Blue (77%)

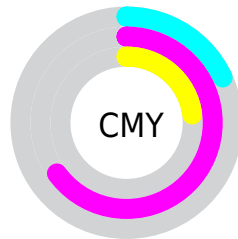


Cyan (0%)

Magenta (58%)

Yellow (7%)

Black (18%)



Cyan (18%)


Magenta (65%)


Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.1145, 24.8319, 54.9033 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 40.1145, 24.8319, 54.9033 by changing the saturation by 10% instead.


 40.1145, 24.8319,
54.9033

 40.1145, 24.8319,
54.9033

337.7321,
276.9998, 422.8169


 27.8124, 15.9519,
38.9262


 74.6211, 51.3844,
98.8690


 18.3241, 9.4901,
26.3950


 97.5563, 69.8256,
127.6947

 11.2840, 5.0622,
16.8909


 124.7666, 92.2227,
161.6403

 6.3269, 2.2838,
9.9956

 156.6174,
118.9600, 201.1245

 3.0874, 0.7651,
5.2905

193.4739,
150.4220, 246.5657

 1.2001, 0.0000,
2.3570

235.7017,

 0.1065, 0.0000,

186.9930, 298.3825

0.7629

283.6659,
229.0575, 356.9933

■ 0.0000, 0.0000,
0.0000

■ 40.1145, 24.8319,
54.9033

■ 40.1145, 24.8319,
54.9033

■ 38.3355, 21.7125,
52.9569

■ 42.3980, 28.9520,
57.0404

■ 37.0148, 19.5030,
51.1849

■ 45.2219, 34.1465,
59.3798

■ 36.1021, 18.1024,
49.5709

■ 48.6220, 40.4859,
61.9334

■ 35.5258, 17.3676,
48.0909

■ 52.6300, 48.0340,
64.7121

■ 35.4098, 17.2343,
47.7484

■ 57.2755, 56.8496,
67.7258

■ 62.5860, 66.9881,
70.9838

■ 68.5875, 78.5011,
74.4948

■ 74.6610, 90.1507,
78.0527

■ 74.9765, 90.2769,
79.7140

Harmonies

Analogous

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



32.6485, 24.8319, 86.3042



40.1145, 24.8319, 54.9033



42.9366, 24.8319, 26.1468

Triad

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



40.1145, 24.8319, 54.9033



23.2888, 24.8319, 2.4332



12.5918, 24.8319, 57.4435

Complementary

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



40.1145, 24.8319, 54.9033



29.6157, 49.1972, 20.7687

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.



11.1681, 24.8319, 27.9486



40.1145, 24.8319, 54.9033



16.4030, 24.8319, 3.9713

Square

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



40.1145, 24.8319, 54.9033



31.9768, 24.8319, 3.7257



12.3860, 24.8319, 10.6781



16.8342, 24.8319, 88.2719

Rectangle

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



40.1145, 24.8319, 54.9033



41.3905, 24.8319, 13.8855



12.3860, 24.8319, 10.6781



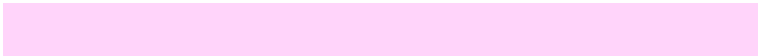
11.8181, 24.8319, 46.6264

Sweetspot

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



40.1154, 24.8331, 54.9038



81.9489, 75.0733, 100.6007



20.5845, 14.5717, 62.7011



17.2514, 15.5224, 21.3383



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.



40.1154, 24.8331, 54.9038



58.9831, 32.8366, 81.5546



34.6959, 22.6653, 26.3653



12.2494, 11.9845, 14.5893



21.6233, 10.5222, 29.2522



1.2261, 0.5952, 1.7257

Inverse Universe

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



40.1154, 24.8331, 54.9038



58.9831, 32.8366, 81.5546



33.6536, 50.8124, 42.0317



12.2494, 11.9845, 14.5893



21.6233, 10.5222, 29.2522



1.2261, 0.5952, 1.7257

Previews

White Background



This preview shows how the XYZ color 40.1145, 24.8319, 54.9033 looks on a white background.

Color Contrast Check

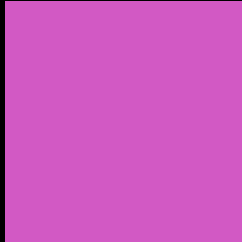
Large Text (above 18pt) WCAG AA ✓ Pass

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 40.1145, 24.8319, 54.9033 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

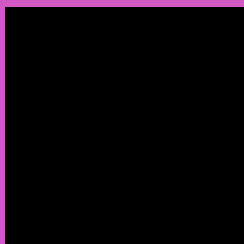
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 40.1145, 24.8319, 54.9033

Background



This preview shows how black text looks on a background with the XYZ color 40.1145, 24.8319, 54.9033.



This preview shows how white text looks on a background with the XYZ color 40.1145, 24.8319,

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

40.1145, 24.8319, 54.9033

Protanopia

27.9925, 25.3704, 81.2635

Deuteranopia

25.6262, 25.0237, 51.0564



Tritanopia

32.7669, 24.6391, 19.8584

Trichromacy



Original Color

40.1145, 24.8319, 54.9033



Protanomaly

29.5500, 23.3584, 70.6613



Deuteranomaly

29.0193, 23.4908, 52.2949



Tritanomaly

34.8415, 24.4154, 30.0704

Monochromacy



Original Color

40.1145, 24.8319, 54.9033



Achromatopsia

23.7775, 25.0158, 27.2422



Achromatomaly

28.1979, 23.7941, 35.4543

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.1145, 24.8319, 54.9033 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(210, 89, 196)` looks like.

```
.text, #text, p{  
    color:rgb(210, 89, 196)  
}
```

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(210, 89, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 89, 196) }
```

Border

The CSS property to change the border of an element to XYZ 40.1145, 24.8319, 54.9033 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(210, 89, 196) }
```


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

```
.border{ border-color:rgb(210, 89, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 89, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 89, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 89, 196);  
box-shadow:4px 4px 4px 4px rgb(210, 89,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 40.1145, 24.8319, 54.9033 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 89, 196) }
```

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

```
.background{ background-color: rgb(210, 89,  
196) }
```

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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