

Converting Colors

XYZ(49.2581, 34.0417, 40.5362)

Have a look what the booklet for
XYZ(49.2581, 34.0417, 40.5362)
contains.

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Color

**XYZ(49.2715, 34.0379,
40.5323)**

Conversions

Conversions Part 1

Format	Color
Hex	F075A7
RGB	240, 117, 167
RGB Percent	94%, 46%, 65%
CMY	0.0588, 0.5411, 0.3451
CMYK	0.00, 0.51, 0.30, 0.06
HSL	336°, 80%, 70%
HSV	336°, 51%, 94%
XYZ	49.2715, 34.0379, 40.5323
YIQ	159.4770, 57.2580, 41.6260

Conversions

Conversions Part 2

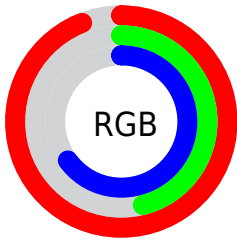
Format	Color
R _{YB}	240, 117, 167
Decimal	15758759
CIE Lab	64.99, 52.55, -4.23
CIE LCh	65, 52.721, 355.398
Yxy	34.0379, 0.3979, 0.2749
Android (android.graphics.Color)	4293948839 (0xFFFF075A7)
YUV	159.4770, 3.7088, 70.6187
Hunter-Lab	58.3420, 48.6499, -0.3515

Details

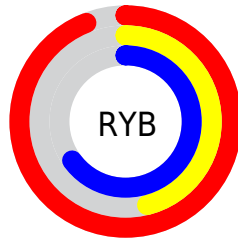
The XYZ color **49.2715, 34.0379, 40.5323** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **47.7922, 69.8206, 59.6768**, and the grayscale version is **33.1394, 34.8652, 37.9682**.

A 20% lighter version of the original color is **69.1773, 56.0390, 76.2778**, and **23.8732, 14.5068, 17.7615** is the 20% darker color. If you saturate the color by 10%, you get **45.5798, 28.6471, 33.1586**, and if you desaturate by 10%, it is **53.8269, 40.9235, 48.9102**.

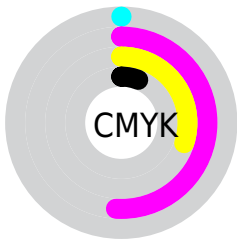
Distribution



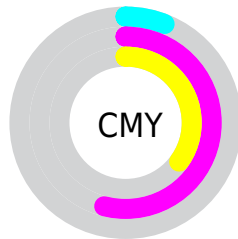
- Red (94%)
- Green (46%)
- Blue (65%)



- Red (94%)
- Yellow (46%)
- Blue (65%)



- Cyan (0%)
- Magenta (51%)
- Yellow (30%)
- Black (6%)




- Cyan (6%)
- Magenta (54%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.2715, 34.0379, 40.5323 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 49.2715, 34.0379, 40.5323 by changing the saturation by 10% instead.


 49.2715, 34.0379,
40.5323

 49.2715, 34.0379,
40.5323

374.3094,
320.3010, 363.9806


 35.0503, 22.9227,
27.6369


 88.2929, 65.9926,
77.2193

 23.8683, 14.5365,
17.8155


 113.8237, 87.6009,
101.8480

 15.3602, 8.4947,
10.6495


 143.8552,
113.4757, 131.2249

 9.1605, 4.4131,
5.7205

178.7527,
144.0014, 165.7685

 4.9040, 1.9072,
2.6098

218.8815,
179.5624, 205.8973

 2.2252, 0.5527,
0.8975

264.6070,

 0.7560, 0.0000,

220.5431, 252.0299

0.0000

316.2945,
267.3278, 304.5848

■ 0.0000, 0.0000,
0.0000

■ 49.2715, 34.0379,
40.5323

■ 49.2715, 34.0379,
40.5323

■ 45.5798, 28.6471,
33.1586

■ 53.8269, 40.9235,
48.9102

■ 42.6883, 24.6322,
26.7440

■ 59.2975, 49.4005,
58.3306

■ 40.5289, 21.8646,
21.2416


■ 65.7342, 59.5635,
68.8319


■ 39.0192, 20.1881,
16.5984

■ 73.1830, 71.4982,
80.4496

■ 38.1188, 19.3987,
13.1804

■ 81.6870, 85.2841,
93.2175

 89.3402, 97.1033,
106.5192

 89.7452, 97.2653,
108.6517

Harmonies

Analogous

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



45.9784, 34.0379, 66.3748



49.2715, 34.0379, 40.5323



47.4809, 34.0379, 21.8153

Triad

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



49.2715, 34.0379, 40.5323



26.4638, 34.0379, 10.6041



24.7221, 34.0379, 83.4634

Complementary

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



49.2715, 34.0379, 40.5323



47.7922, 69.8206, 59.6768

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.



20.8356, 34.0379, 58.1386



49.2715, 34.0379, 40.5323



21.7250, 34.0379, 17.9695

Square

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



49.2715, 34.0379, 40.5323



33.5422, 34.0379, 8.9907



19.8310, 34.0379, 33.7947



31.1903, 34.0379, 96.6245

Rectangle

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



49.2715, 34.0379, 40.5323



43.7738, 34.0379, 14.4880



19.8310, 34.0379, 33.7947



23.1129, 34.0379, 75.7034

Sweetspot

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



49.2725, 34.0396, 40.5329



80.5963, 76.6000, 87.1032



43.0154, 29.8028, 85.9235



16.8633, 15.7744, 18.0393



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.



49.2725, 34.0396, 40.5329



52.3266, 32.9020, 38.0917



46.7691, 35.0549, 21.1332



16.0391, 15.8654, 17.7621



20.9288, 10.6439, 7.5416



1.7892, 0.9047, 0.8806

Inverse Universe

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



49.2725, 34.0396, 40.5329



52.3266, 32.9020, 38.0917



51.2928, 66.5286, 92.5760



16.0391, 15.8654, 17.7621



20.9288, 10.6439, 7.5416



1.7892, 0.9047, 0.8806

Previews

White Background



This preview shows how the XYZ color 49.2715, 34.0379, 40.5323 looks on a white background.

Color Contrast Check

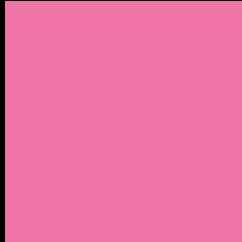
Large Text (above 18pt) WCAG AA × Fail

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 49.2715, 34.0379, 40.5323 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 49.2715, 34.0379, 40.5323

Background



This preview shows how black text looks on a background with the XYZ color 49.2715, 34.0379, 40.5323.



This preview shows how white text looks on a background with the XYZ color 49.2715, 34.0379,

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

49.2715, 34.0379, 40.5323

Protanopia

34.1491, 34.4037, 54.7099

Deuteranopia

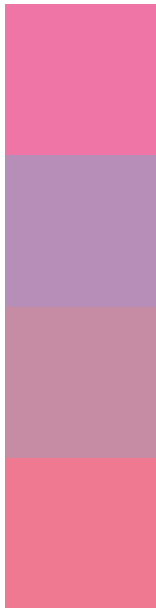
34.8375, 34.1263, 38.4691



Tritanopia

46.3663, 34.1133, 26.3310

Trichromacy



Original Color

49.2715, 34.0379, 40.5323

Protanomaly

37.7487, 32.8322, 49.1474

Deuteranomaly

39.0149, 33.2708, 39.0159

Tritanomaly

47.2081, 33.8962, 30.8425

Monochromacy



Original Color

49.2715, 34.0379, 40.5323

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

37.2339, 33.2465, 38.6372

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.2715, 34.0379, 40.5323 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(240, 117, 167)` looks like.

```
.text, #text, p{  
    color:rgb(240, 117, 167)  
}
```

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(240, 117, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 117, 167) }
```

Border

The CSS property to change the border of an element to XYZ 49.2715, 34.0379, 40.5323 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(240, 117, 167) }
```


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

```
.border{ border-color:rgb(240, 117, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 117, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(240, 117, 167); -webkit-box-shadow:4px 4px 4px 4px rgb(240, 117, 167); box-shadow:4px 4px 4px 4px rgb(240, 117, 167) }
```

Background

The CSS property to change the background color of an element to XYZ 49.2715, 34.0379, 40.5323 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 117, 167) }
```

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

```
.background{ background-color: rgb(240,  
117, 167) }
```

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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