

Converting Colors

XYZ(41.1465, 34.9174, 68.0006)

Have a look what the booklet for
XYZ(41.1465, 34.9174, 68.0006)
contains.

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Color

**XYZ(41.0854, 34.8091,
68.1717)**

Conversions

Conversions Part 1

Format	Color
Hex	B491D6
RGB	180, 145, 214
RGB Percent	71%, 57%, 84%
CMY	0.2941, 0.4314, 0.1608
CMYK	0.16, 0.32, 0.00, 0.16
HSL	270°, 46%, 70%
HSV	270°, 32%, 84%
XYZ	41.0854, 34.8091, 68.1717
YIQ	163.3310, -1.2890, 28.8790

Conversions

Conversions Part 2

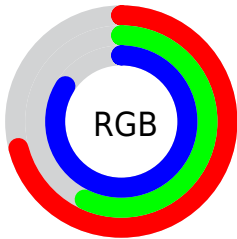
Format	Color
RYB	180, 145, 214
Decimal	11833814
CIELab	65.60, 26.33, -30.41
CIELCh	66, 40.224, 310.889
Yxy	34.8091, 0.2852, 0.2416
Android (android.graphics.Color)	4290023894 (0xFFB491D6)
YUV	163.3310, 24.9798, 14.6187
Hunter-Lab	58.9992, 21.0537, -27.2082

Details

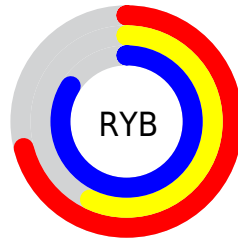
The XYZ color **41.0854, 34.8091, 68.1717** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **47.7488, 59.7219, 35.8004**, and the grayscale version is **34.8562, 36.6714, 39.9351**.

A 20% lighter version of the original color is **73.3985, 66.0714, 103.4923**, and **18.8649, 14.9442, 34.6911** is the 20% darker color. If you saturate the color by 10%, you get **35.7562, 27.6569, 67.0726**, and if you desaturate by 10%, it is **47.2196, 43.2922, 69.4864**.

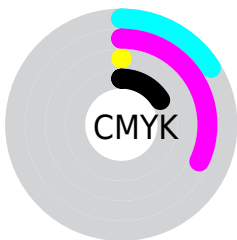
Distribution



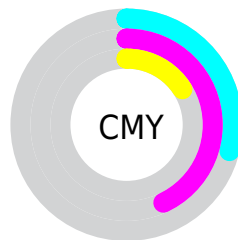
- Red (71%)
- Green (57%)
- Blue (84%)



- Red (71%)
- Yellow (57%)
- Blue (84%)



- Cyan (16%)
- Magenta (32%)
- Yellow (0%)
- Black (16%)



- Cyan (29%)
- Magenta (43%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.0854, 34.8091, 68.1717 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 41.0854, 34.8091, 68.1717 by changing the saturation by 10% instead.

41.0854, 34.8091,
68.1717

41.0854, 34.8091,
68.1717

341.7339,
323.7249, 472.7187

28.5738, 23.5159,
49.5699

76.0874, 67.1899,
118.2543

18.9013, 14.9749,
34.7030

99.3085, 89.0463,
150.5721

11.7026, 8.8018,
23.1524

126.8301,
115.1925, 188.2990

6.6122, 4.6121,
14.4997

159.0177,
146.0130, 231.8535

3.2650, 2.0215,
8.3264

196.2365,
181.8920, 281.6542

1.2954, 0.6199,
4.2137

238.8519,

0.1798, 0.0000,

223.2141, 338.1196

1.7433

287.2292,
270.3636, 401.6683

■ 0.0000, 0.0000,
0.3902

■ 0.0000, 0.0000,
0.0000

■ 41.0854, 34.8091,
68.1717

■ 41.0854, 34.8091,
68.1717

■ 35.7562, 27.6569,
67.0726

■ 47.2196, 43.2922,
69.4864

■ 31.1898, 21.7598,
66.1751

■ 54.1912, 53.1680,
71.0251

■ 27.3449, 17.0410,
65.4669

■ 62.0351, 64.4992,
72.7989

■ 24.1744, 13.4128,
64.9337

■ 70.7828, 77.3438,
74.8171

■ 21.6247, 10.7749,
64.5589

■ 80.4645, 91.7561,
77.0886

■ 19.6323, 9.0072,
64.3227

■ 84.9537, 95.4782,
77.5705

■ 18.3893, 8.0779,
64.2088

■ 88.7037, 97.4114,
77.7460

■ 89.1377, 97.6351,
77.7663

Harmonies

Analogous

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



35.2759, 34.8091, 79.6260



41.0854, 34.8091, 68.1717



45.0111, 34.8091, 49.5721

Triad

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



41.0854, 34.8091, 68.1717



36.9423, 34.8091, 14.7352



23.1433, 34.8091, 44.3797

Complementary

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



41.0854, 34.8091, 68.1717



47.7488, 59.7219, 35.8004

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.



23.4768, 34.8091, 28.2229



41.0854, 34.8091, 68.1717



30.9868, 34.8091, 14.1019

Square

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



41.0854, 34.8091, 68.1717



42.4295, 34.8091, 20.3555



26.1971, 34.8091, 18.2544



25.2243, 34.8091, 63.4119

Rectangle

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



41.0854, 34.8091, 68.1717



45.7820, 34.8091, 37.3993



26.1971, 34.8091, 18.2544



22.9837, 34.8091, 38.4076

Sweetspot

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



41.0866, 34.8105, 68.1725



82.9752, 82.4900, 106.1566



40.0363, 43.3170, 69.8698



17.4200, 17.1682, 22.6456



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.



41.0866, 34.8105, 68.1725



55.3155, 43.9674, 100.1789



49.9954, 39.4032, 68.5894



12.3371, 12.3152, 15.6643



11.2355, 4.9446, 38.8154



0.7731, 0.3474, 2.3456

Inverse Universe

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



45.9946, 37.8029, 47.5214



64.0188, 49.2725, 63.6122



40.8356, 56.1581, 35.4768



12.6758, 12.5218, 14.2329



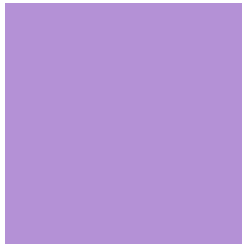
18.3695, 9.2841, 9.2497



1.1497, 0.5767, 0.7778

Previews

White Background



This preview shows how the XYZ color 41.0854, 34.8091, 68.1717 looks on a white background.

Color Contrast Check

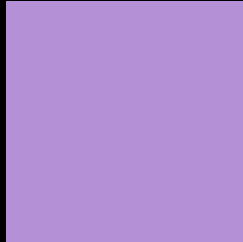
Large Text (above 18pt) WCAG AA × Fail

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 41.0854, 34.8091, 68.1717 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

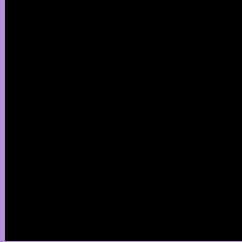
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.0854, 34.8091, 68.1717

Background



This preview shows how black text looks on a background with the XYZ color 41.0854, 34.8091, 68.1717.



This preview shows how white text looks on a background with the XYZ color 41.0854, 34.8091,

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

41.0854, 34.8091, 68.1717

Protanopia

36.0237, 34.9306, 74.6557

Deuteranopia

35.7947, 34.9784, 67.1523



Tritanopia

35.4518, 34.6350, 40.8931

Trichromacy



Original Color

41.0854, 34.8091, 68.1717

Protanomaly

37.6359, 34.8198, 72.4474

Deuteranomaly

37.5020, 34.8557, 67.7020

Tritanomaly

37.2930, 34.6661, 49.5254

Monochromacy



Original Color

41.0854, 34.8091, 68.1717

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

36.6942, 35.5893, 49.1914

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.0854, 34.8091, 68.1717 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(180, 145, 214)` looks like.

```
.text, #text, p{  
    color:rgb(180, 145, 214)  
}
```

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(180, 145, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 145, 214) }
```

Border

The CSS property to change the border of an element to XYZ 41.0854, 34.8091, 68.1717 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(180, 145, 214) }
```


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

```
.border{ border-color:rgb(180, 145, 214) }
```

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

Here you see how a box with a 4 pixel rgb(180, 145, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 145, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 145, 214);  
box-shadow:4px 4px 4px 4px rgb(180, 145,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 41.0854, 34.8091, 68.1717 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 145, 214) }
```

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

```
.background{ background-color: rgb(180,  
145, 214) }
```

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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