

Converting Colors

XYZ(50.9213, 40.8012, 83.2183)

Have a look what the booklet for
XYZ(50.9213, 40.8012, 83.2183)
contains.

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Color

**XYZ(50.9345, 40.7323,
83.0195)**

Conversions

Conversions Part 1

Format	Color
Hex	CD96EA
RGB	205, 150, 234
RGB Percent	80%, 59%, 92%
CMY	0.1961, 0.4117, 0.0823
CMYK	0.12, 0.36, 0.00, 0.08
HSL	279°, 67%, 75%
HSV	279°, 36%, 92%
XYZ	50.9345, 40.7323, 83.0195
YIQ	176.0210, 5.8160, 37.7840

Conversions

Conversions Part 2

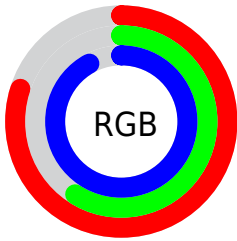
Format	Color
R _{YB}	205, 150, 234
Decimal	13473514
CIE _{Lab}	69.99, 35.49, -34.46
CIE _{LCh}	70, 49.465, 315.844
Yxy	40.7323, 0.2916, 0.2332
Android (android.graphics.Color)	4291663594 (0xFFCD96EA)
YUV	176.0210, 28.5836, 25.4146
Hunter-Lab	63.8219, 30.7678, -32.4491

Details

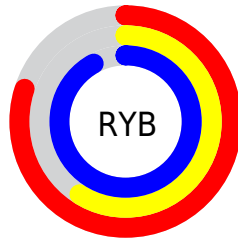
The XYZ color **50.9345, 40.7323, 83.0195** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **53.5194, 70.6323, 39.6685**, and the grayscale version is **41.1326, 43.2747, 47.1261**.

A 20% lighter version of the original color is **81.1213, 72.1426, 104.2571**, and **24.9812, 18.4337, 44.3609** is the 20% darker color. If you saturate the color by 10%, you get **45.3957, 32.8772, 81.7959**, and if you desaturate by 10%, it is **57.3366, 50.1411, 84.4988**.

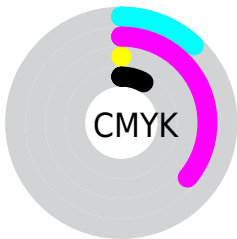
Distribution



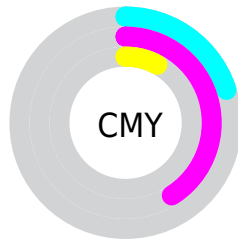
- Red (80%)
- Green (59%)
- Blue (92%)



- Red (80%)
- Yellow (59%)
- Blue (92%)



- Cyan (12%)
- Magenta (36%)
- Yellow (0%)
- Black (8%)





- Cyan (20%)
- Magenta (41%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.9345, 40.7323, 83.0195 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 50.9345, 40.7323, 83.0195 by changing the saturation by 10% instead.


 50.9345, 40.7323,
83.0195


 50.9345, 40.7323,
83.0195


380.7011,
349.2005, 525.0242

 36.3773, 28.1100,
61.6655


 90.7415, 76.2774,
139.4522

 24.8972, 18.4086,
44.3285


 116.7220, 99.9689,
175.3681

 16.1288, 11.2437,
30.5897


147.2411,
128.1189, 216.9750

 9.7068, 6.2310,
20.0308

182.6640,
161.1118, 264.6915

 5.2657, 2.9861,
12.2331

223.3561,
199.3320, 318.9362

 2.4404, 1.1245,
6.7782

269.6827,

 0.8653, 0.0000,

243.1640, 380.1275

3.2474

322.0093,
292.9920, 448.6840

■ 0.0000, 0.0000,
1.2223

■ 0.0000, 0.0000,
0.0000

■ 50.9345, 40.7323,
83.0195

■ 50.9345, 40.7323,
83.0195

■ 45.3957, 32.8772,
81.7959

■ 57.3366, 50.1411,
84.4988

■ 40.6699, 26.4807,
80.8103

■ 64.6406, 61.1814,
86.2448

■ 36.7071, 21.4448,
80.0471

■ 72.8873, 73.9314,
88.2712

■ 33.4500, 17.6569,
79.4877

■ 82.1139, 88.4631,
90.5898

■ 30.8314, 14.9860,
79.1102

■ 88.4055, 96.9441,
91.8952

■ 28.7690, 13.2701,
78.8877

■ 91.2920, 98.4322,
92.0303

■ 28.0291, 12.7339,
78.8232

■ 91.8514, 98.7206,
92.0564

Harmonies

Analogous

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



43.1029, 40.7323, 102.2307



50.9345, 40.7323, 83.0195



55.7736, 40.7323, 56.1173

Triad

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



50.9345, 40.7323, 83.0195



42.6308, 40.7323, 13.7299



25.6357, 40.7323, 57.6082

Complementary

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



50.9345, 40.7323, 83.0195



53.5194, 70.6323, 39.6685

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.



25.5460, 40.7323, 34.3556



50.9345, 40.7323, 83.0195



34.6352, 40.7323, 13.8854

Square

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



50.9345, 40.7323, 83.0195



50.5478, 40.7323, 19.5169



28.6248, 40.7323, 20.0568



28.8897, 40.7323, 84.4321

Rectangle

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



50.9345, 40.7323, 83.0195



56.2727, 40.7323, 39.9823



28.6248, 40.7323, 20.0568



25.2514, 40.7323, 49.0260

Sweetspot

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



50.9359, 40.7340, 83.0204



83.2720, 81.6002, 105.9693



43.6308, 44.8269, 84.1954



17.5343, 17.0193, 22.6108



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.



50.9359, 40.7340, 83.0204



56.8874, 42.3519, 99.7842



57.9437, 44.5484, 74.2320



15.1807, 15.0384, 19.0248



15.8911, 7.2281, 44.3006



1.3506, 0.6206, 3.4835

Inverse Universe

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



52.9759, 42.5613, 48.0722



59.9876, 45.0454, 50.4446



48.5769, 67.9607, 45.0218



15.2801, 15.1399, 16.7604



19.9512, 10.1832, 5.5444



1.6105, 0.8172, 0.6662

Previews

White Background



This preview shows how the XYZ color 50.9345, 40.7323, 83.0195 looks on a white background.

Color Contrast Check

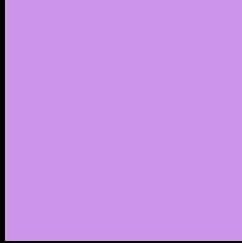
Large Text (above 18pt) WCAG AA × Fail

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 50.9345, 40.7323, 83.0195 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

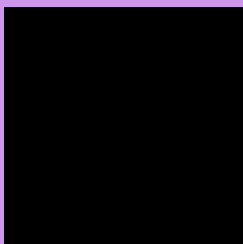
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.9345, 40.7323, 83.0195

Background



This preview shows how black text looks on a background with the XYZ color 50.9345, 40.7323, 83.0195.



This preview shows how white text looks on a background with the XYZ color 50.9345, 40.7323,

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

50.9345, 40.7323, 83.0195

Protanopia

42.9639, 41.2352, 95.3173

Deuteranopia

41.9885, 41.0577, 80.5748



Tritanopia

43.4231, 40.6716, 46.1192

Trichromacy



Original Color

50.9345, 40.7323, 83.0195

Protanomaly

45.1858, 40.5878, 91.0406

Deuteranomaly

44.5777, 40.4944, 81.0680

Tritanomaly

45.7439, 40.5814, 57.6466

Monochromacy



Original Color

50.9345, 40.7323, 83.0195

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

44.3903, 42.2334, 58.6356

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.9345, 40.7323, 83.0195 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(205, 150, 234)` looks like.

```
.text, #text, p{  
    color:rgb(205, 150, 234)  
}
```

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(205, 150, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 150, 234) }
```

Border

The CSS property to change the border of an element to XYZ 50.9345, 40.7323, 83.0195 is called "border". The border property can be set on classes, ids or directly on the HTML element.

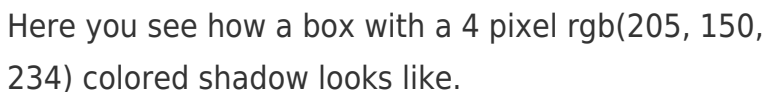
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(205, 150, 234) }
```


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

```
.border{ border-color:rgb(205, 150, 234) }
```

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



Here you see how a box with a 4 pixel `rgb(205, 150, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(205, 150, 234); -webkit-box-shadow:4px 4px 4px 4px rgb(205, 150, 234); box-shadow:4px 4px 4px 4px rgb(205, 150, 234) }
```

Background

The CSS property to change the background color of an element to XYZ 50.9345, 40.7323, 83.0195 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 150, 234) }
```

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

```
.background{ background-color: rgb(205,  
150, 234) }
```

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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