

Converting Colors

XYZ(45.4463, 34.0062, 76.8061)

Have a look what the booklet for
XYZ(45.4463, 34.0062, 76.8061)
contains.

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Color

**XYZ(45.4051, 34.0543,
76.8531)**

Conversions

Conversions Part 1

Format	Color
Hex	C684E3
RGB	198, 132, 227
RGB Percent	78%, 52%, 89%
CMY	0.2235, 0.4823, 0.1098
CMYK	0.13, 0.42, 0.00, 0.11
HSL	282°, 63%, 70%
HSV	282°, 42%, 89%
XYZ	45.4051, 34.0543, 76.8531
YIQ	162.5640, 8.8410, 43.5370

Conversions

Conversions Part 2

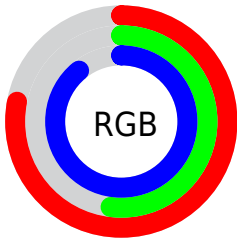
Format	Color
RYB	198, 132, 227
Decimal	13010147
CIELab	65.01, 41.70, -38.41
CIELCh	65, 56.694, 317.354
Yxy	34.0543, 0.2905, 0.2179
Android (android.graphics.Color)	4291200227 (0xFFC684E3)
YUV	162.5640, 31.7669, 31.0774
Hunter-Lab	58.3561, 36.7624, -37.2338

Details

The XYZ color **45.4051, 34.0543, 76.8531** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **46.3329, 64.1820, 31.7775**, and the grayscale version is **34.4608, 36.2554, 39.4822**.

A 20% lighter version of the original color is **76.8489, 63.5978, 102.8330**, and **21.3747, 14.4284, 40.1865** is the 20% darker color. If you saturate the color by 10%, you get **40.8705, 27.6341, 75.8534**, and if you desaturate by 10%, it is **50.6953, 41.8598, 78.0814**.

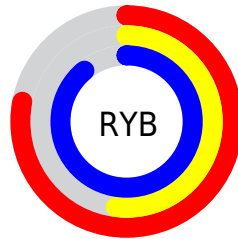
Distribution



Red (78%)

Green (52%)

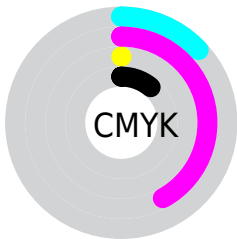
Blue (89%)



Red (78%)

Yellow (52%)

Blue (89%)

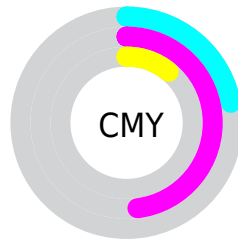


Cyan (13%)

Magenta (42%)

Yellow (0%)

Black (11%)



Cyan (22%)


Magenta (48%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.4051, 34.0543, 76.8531 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 45.4051, 34.0543, 76.8531 by changing the saturation by 10% instead.


 45.4051, 34.0543,
76.8531


 45.4051, 34.0543,
76.8531

359.1679,
320.3741, 503.6874


 31.9793, 22.9353,
56.6215


 82.5613, 66.0181,
130.7032

 21.5011, 14.5458,
40.2941


 107.0224, 87.6317,
165.1588

 13.6053, 8.5012,
27.4524


 135.8926,
113.5123, 205.1927

 7.9266, 4.4173,
17.6778

169.5373,
144.0443, 251.2236

 4.0994, 1.9096,
10.5519

208.3218,
179.6121, 303.6700

 1.7585, 0.5542,
5.6560

252.6115,

 0.4925, 0.0000,

220.6001, 362.9504

2.5717

302.7718,
267.3926, 429.4833

■ 0.0000, 0.0000,
0.8778

■ 0.0000, 0.0000,
0.0000

■ 45.4051, 34.0543,
76.8531

■ 45.4051, 34.0543,
76.8531

■ 40.8705, 27.6341,
75.8534

■ 50.6953, 41.8598,
78.0814

■ 37.0430, 22.5065,
75.0654

■ 56.7786, 51.1266,
79.5495

■ 33.8735, 18.5743,
74.4735

■ 63.6940, 61.9304,
81.2703

■ 31.3044, 15.7239,
74.0587

■ 71.4768, 74.3403,
83.2555

■ 29.2669, 13.8193,
73.7985

■ 80.1602, 88.4211,
85.5157

■ 27.9082, 12.7855,
73.6705

■ 85.4175, 95.5177,
86.6084

■ 87.8097, 96.7509,
86.7203

■ 90.2926, 98.0309,
86.8365

■ 90.8652, 98.3261,
86.8633

Harmonies

Analogous

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



37.3019, 34.0543, 99.0333



45.4051, 34.0543, 76.8531



50.3178, 34.0543, 47.8689

Triad

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



45.4051, 34.0543, 76.8531



35.9433, 34.0543, 8.1672



19.5305, 34.0543, 52.2447

Complementary

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



45.4051, 34.0543, 76.8531



46.3329, 64.1820, 31.7775

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.



19.2921, 34.0543, 28.0466



45.4051, 34.0543, 76.8531



27.8888, 34.0543, 8.5224

Square

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



45.4051, 34.0543, 76.8531



44.2669, 34.0543, 12.7956



22.1003, 34.0543, 14.1302



22.8182, 34.0543, 81.1971

Rectangle

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



45.4051, 34.0543, 76.8531



50.6577, 34.0543, 31.5944



22.1003, 34.0543, 14.1302



19.1136, 34.0543, 43.1650

Sweetspot

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



45.4063, 34.0557, 76.8539



81.7460, 78.7739, 105.5042



36.3171, 36.3230, 77.7705



17.0550, 16.1663, 22.4715



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.



45.4063, 34.0557, 76.8539



54.0465, 37.1393, 98.9278



51.5118, 37.4671, 65.2187



14.5445, 14.3829, 18.1539



16.4000, 7.5204, 42.9704



1.3054, 0.6039, 3.1797

Inverse Universe

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



46.3638, 35.4079, 38.1101



55.8157, 39.3369, 40.9299



42.4440, 62.0278, 38.3454



14.5572, 14.4401, 15.8687



19.1524, 9.7952, 4.4317



1.4556, 0.7399, 0.5396

Previews

White Background



This preview shows how the XYZ color 45.4051, 34.0543, 76.8531 looks on a white background.

Color Contrast Check

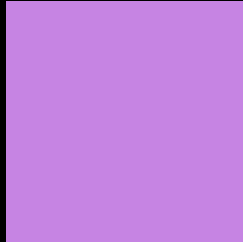
Large Text (above 18pt) WCAG AA × Fail

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 45.4051, 34.0543, 76.8531 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 45.4051, 34.0543, 76.8531

Background



This preview shows how black text looks on a background with the XYZ color 45.4051, 34.0543, 76.8531.



This preview shows how white text looks on a background with the XYZ color 45.4051, 34.0543,

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

45.4051, 34.0543, 76.8531

Protanopia

36.8133, 34.4565, 91.8993

Deuteranopia

35.0650, 34.2018, 73.8607



Tritanopia

37.3443, 34.0274, 36.9474

Trichromacy



Original Color

45.4051, 34.0543, 76.8531



Protanomaly

38.9626, 33.7748, 86.1270



Deuteranomaly

37.9888, 33.5184, 74.9885



Tritanomaly

39.9585, 33.9714, 49.2508

Monochromacy



Original Color

45.4051, 34.0543, 76.8531



Achromatopsia

34.8123, 36.6253, 39.8849



Achromatomaly

37.9957, 35.2317, 51.2522

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.4051, 34.0543, 76.8531 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(198, 132, 227)` looks like.

```
.text, #text, p{  
    color:rgb(198, 132, 227)  
}
```

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(198, 132, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 132, 227) }
```

Border

The CSS property to change the border of an element to XYZ 45.4051, 34.0543, 76.8531 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(198, 132, 227) }
```


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

```
.border{ border-color:rgb(198, 132, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 132, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 132, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 132, 227);  
box-shadow:4px 4px 4px 4px rgb(198, 132,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 45.4051, 34.0543, 76.8531 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 132, 227) }
```

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

```
.background{ background-color: rgb(198,  
132, 227) }
```

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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