

# Converting Colors

XYZ(45.1007, 34.7133, 76.6227)

Have a look what the booklet for  
XYZ(45.1007, 34.7133, 76.6227)  
contains.

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# Color

**XYZ(45.0373, 34.7014,  
76.2758)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C388E2
RGB	195, 136, 226
RGB Percent	76%, 53%, 89%
CMY	0.2353, 0.4667, 0.1137
CMYK	0.14, 0.40, 0.00, 0.11
HSL	279°, 61%, 71%
HSV	279°, 40%, 89%
XYZ	45.0373, 34.7014, 76.2758
YIQ	163.9010, 6.2740, 40.4980

# Conversions

## Conversions Part 2

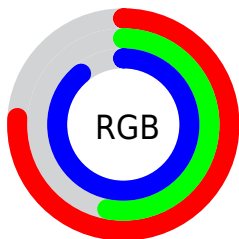
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	195, 136, 226
Decimal	12814562
CIE <sub>Lab</sub>	65.52, 38.45, -37.08
CIE <sub>LCh</sub>	66, 53.414, 316.035
Y <sub>xy</sub>	34.7014, 0.2887, 0.2224
Android (android.graphics.Color)	4291004642 (0xFFC388E2)
YUV	163.9010, 30.6148, 27.2738
Hunter-Lab	58.9079, 33.3811, -35.5350

# Details

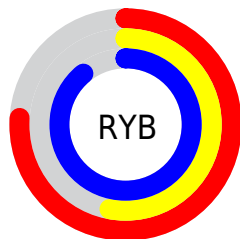
The XYZ color **45.0373, 34.7014, 76.2758** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **47.5777, 64.3866, 33.2143**, and the grayscale version is **35.0976, 36.9254, 40.2118**.

A 20% lighter version of the original color is **76.9715, 64.9296, 103.0836**, and **21.3194, 14.9747, 39.7970** is the 20% darker color. If you saturate the color by 10%, you get **40.2247, 27.9839, 75.2334**, and if you desaturate by 10%, it is **50.6282, 42.8179, 77.5483**.

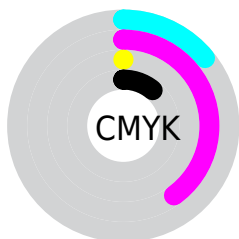
# Distribution



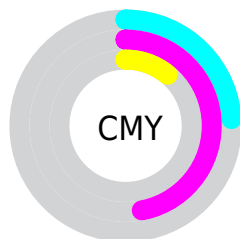
- Red (76%)
- Green (53%)
- Blue (89%)



- Red (76%)
- Yellow (53%)
- Blue (89%)



- Cyan (14%)
- Magenta (40%)
- Yellow (0%)
- Black (11%)




- Cyan (24%)
- Magenta (47%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 45.0373, 34.7014, 76.2758 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 45.0373, 34.7014, 76.2758 by changing the saturation by 10% instead.





 45.0373, 34.7014,  
76.2758

 45.0373, 34.7014,  
76.2758


357.7058,  
323.2484, 501.6632


 31.6882, 23.4330,  
56.1507


 82.0131, 67.0229,  
129.8803

 21.2779, 14.9135,  
39.9189


 106.3705, 88.8448,  
164.1969

 13.4409, 8.7587,  
27.1620


 135.1281,  
114.9533, 204.0809

 7.8119, 4.5841,  
17.4614

168.6512,  
145.7327, 249.9510

 4.0256, 2.0054,  
10.3986

207.3051,  
181.5676, 302.2258

 1.7166, 0.6106,  
5.5550

251.4553,

 0.4667, 0.0000,

222.8422, 361.3237

2.5121

301.4671,  
269.9410, 427.6634

■ 0.0000, 0.0000,  
0.8465

■ 0.0000, 0.0000,  
0.0000

■ 45.0373, 34.7014,  
76.2758

■ 45.0373, 34.7014,  
76.2758

■ 40.2247, 27.9839,  
75.2334

■ 50.6282, 42.8179,  
77.5483

■ 36.1426, 22.5751,  
74.4045

■ 57.0342, 52.4074,  
79.0617

■ 32.7433, 18.3809,  
73.7741

■ 64.2937, 63.5440,  
80.8286

■ 29.9710, 15.2923,  
73.3241

■ 72.4419, 76.2952,  
82.8604

■ 27.7598, 13.1799,  
73.0329

■ 81.5114, 90.7247,  
85.1675

■ 25.9982, 11.8233,  
72.8639

■ 86.0055, 95.8367,  
85.9174

■ 25.9687, 11.8016,  
72.8613

■ 88.7304, 97.2415,  
86.0449

■ 90.7276, 98.2710,  
86.1384

# Harmonies

## Analogous

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



37.3145, 34.7014, 96.1527



45.0373, 34.7014, 76.2758



49.8397, 34.7014, 49.1634

# Triad

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



45.0373, 34.7014, 76.2758



36.7477, 34.7014, 9.5009



20.5350, 34.7014, 50.9762

# Complementary

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



45.0373, 34.7014, 76.2758



47.5777, 64.3866, 33.2143

# 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.



20.4327, 34.7014, 28.3116



45.0373, 34.7014, 76.2758



28.9997, 34.7014, 9.6622

# Square

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



45.0373, 34.7014, 76.2758



44.5662, 34.7014, 14.4853



23.2973, 34.7014, 15.0736



23.6033, 34.7014, 78.0464



# Rectangle

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



45.0373, 34.7014, 76.2758



50.3170, 34.7014, 33.4335



23.2973, 34.7014, 15.0736



20.1713, 34.7014, 42.4962

# Sweetspot

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



45.0385, 34.7028, 76.2766



82.2814, 80.0621, 105.7246



37.7926, 38.5476, 77.4006



17.3362, 16.7123, 22.5620



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.



45.0385, 34.7028, 76.2766



53.7772, 38.0080, 99.1097



52.1160, 38.5571, 67.3148



13.8127, 13.6870, 17.3015



14.9473, 6.8009, 41.5733



1.1311, 0.5204, 2.8861



# Inverse Universe

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



47.1443, 36.5684, 41.1341



57.2871, 41.0114, 45.3304



42.8157, 61.8137, 38.3196



13.9011, 13.7781, 15.2495



18.7249, 9.5570, 5.2170



1.3390, 0.6789, 0.5781



# Previews

## White Background



This preview shows how the XYZ color 45.0373, 34.7014, 76.2758 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

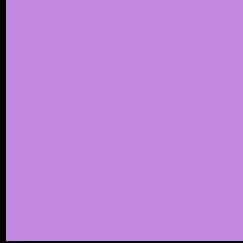
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 45.0373, 34.7014, 76.2758 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

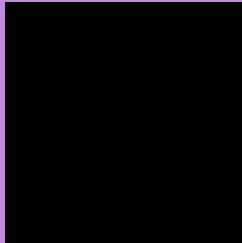
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 45.0373, 34.7014, 76.2758**

## **Background**



This preview shows how black text looks on a background with the XYZ color 45.0373, 34.7014, 76.2758.



This preview shows how white text looks on a background with the XYZ color 45.0373, 34.7014,



# 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

45.0373, 34.7014, 76.2758

### Protanopia

37.2879, 35.2521, 89.6331

### Deuteranopia

35.7230, 34.7911, 73.9398



## **Tritanopia**

37.3470, 34.7002, 38.4476

# Trichromacy



## Original Color

45.0373, 34.7014, 76.2758



## Protanomaly

39.1704, 34.3816, 84.6926



## Deuteranomaly

38.3648, 34.1935, 74.3900



## Tritanomaly

39.8686, 34.5724, 50.4708

# Monochromacy



## Original Color

45.0373, 34.7014, 76.2758



## Achromatopsia

35.2861, 37.1238, 40.4278



## Achromatomaly

38.2044, 35.8130, 51.9127

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 45.0373, 34.7014, 76.2758 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(195, 136, 226)` looks like.

```
.text, #text, p{  
    color:rgb(195, 136, 226)  
}
```

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(195, 136, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 136, 226) }
```

## Border

The CSS property to change the border of an element to XYZ 45.0373, 34.7014, 76.2758 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(195, 136, 226) }
```



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

```
.border{ border-color:rgb(195, 136, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 136, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 136, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 136, 226);  
box-shadow:4px 4px 4px 4px rgb(195, 136,  
226) }
```

# Background

The CSS property to change the background color of an element to XYZ 45.0373, 34.7014, 76.2758 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 136, 226) }
```

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

```
.background{ background-color: rgb(195,  
136, 226) }
```

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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