

# Converting Colors

XYZ(47.0558, 34.0180, 81.1768)

Have a look what the booklet for  
XYZ(47.0558, 34.0180, 81.1768)  
contains.

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# Color

**XYZ(47.0558, 34.0180,  
81.1768)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CB80E9
RGB	203, 128, 233
RGB Percent	80%, 50%, 91%
CMY	0.2039, 0.4980, 0.0863
CMYK	0.13, 0.45, 0.00, 0.09
HSL	283°, 70%, 71%
HSV	283°, 45%, 91%
XYZ	47.0558, 34.0180, 81.1768
YIQ	162.3950, 10.9950, 48.5550

# Conversions

## Conversions Part 2

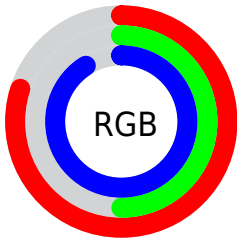
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	203, 128, 233
Decimal	13336809
CIE <sub>Lab</sub>	64.98, 46.51, -41.74
CIE <sub>LCh</sub>	65, 62.488, 318.094
Yxy	34.0180, 0.2900, 0.2097
Android (android.graphics.Color)	4291526889 (0xFFCB80E9)
YUV	162.3950, 34.8083, 35.6106
Hunter-Lab	58.3250, 41.9428, -41.6925

# Details

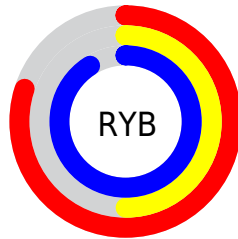
The XYZ color **47.0558, 34.0180, 81.1768** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **47.1366, 67.1061, 30.8918**, and the grayscale version is **34.3671, 36.1568, 39.3748**.

A 20% lighter version of the original color is **76.0179, 61.9359, 102.5560**, and **22.5529, 14.5463, 43.2140** is the 20% darker color. If you saturate the color by 10%, you get **42.5845, 27.7083, 80.1951**, and if you desaturate by 10%, it is **52.3051, 41.7661, 82.3962**.

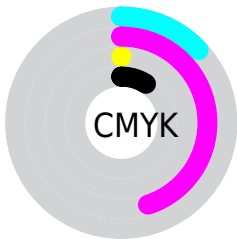
# Distribution



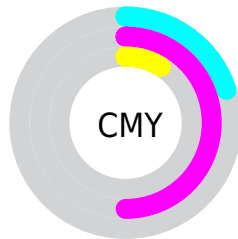
- Red (80%)
- Green (50%)
- Blue (91%)



- Red (80%)
- Yellow (50%)
- Blue (91%)



- Cyan (13%)
- Magenta (45%)
- Yellow (0%)
- Black (9%)




- Cyan (20%)
- Magenta (50%)
- Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.0558, 34.0180, 81.1768 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 47.0558, 34.0180, 81.1768 by changing the saturation by 10% instead.





 47.0558, 34.0180,  
81.1768

 47.0558, 34.0180,  
81.1768

365.6824,  
320.2123, 518.7009


 33.2879, 22.9074,  
60.1554


 85.0151, 65.9617,  
136.8453

 22.5074, 14.5252,  
43.1178

 109.9373, 87.5635,  
172.3294

 14.3489, 8.4868,  
29.6454


 139.3083,  
113.4313, 213.4716

 8.4470, 4.4080,  
19.3199

173.4934,  
143.9494, 260.6902

 4.4365, 1.9043,  
11.7225

212.8580,  
179.5021, 314.4039

 1.9519, 0.5510,  
6.4348

257.7674,

 0.6067, 0.0000,

220.4739, 375.0313

3.0382

308.5871,  
267.2492, 442.9907

■ 0.0000, 0.0000,  
1.1142

■ 0.0000, 0.0000,  
0.0000

■ 47.0558, 34.0180,  
81.1768

■ 47.0558, 34.0180,  
81.1768

■ 42.5845, 27.7083,  
80.1951

■ 52.3051, 41.7661,  
82.3962

■ 38.8381, 22.7353,  
79.4327

■ 58.3736, 51.0364,  
83.8657

■ 35.7623, 18.9909,  
78.8721

■ 65.3035, 61.9113,  
85.5995

■ 33.2927, 16.3476,  
78.4920

■ 73.1331, 74.4659,  
87.6101

■ 31.3502, 14.6489,  
78.2665

■ 81.8982, 88.7705,  
89.9092

■ 30.5245, 14.0369,  
78.1919

■ 87.4110, 96.4480,  
91.1006

■ 89.7497, 97.6536,  
91.2100

■ 91.7081, 98.6632,  
91.3017

# Harmonies

## Analogous

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



38.0319, 34.0180, 107.2784



47.0558, 34.0180, 81.1768



52.4755, 34.0180, 48.2767

# Triad

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



47.0558, 34.0180, 81.1768



36.0496, 34.0180, 6.5768



18.4760, 34.0180, 54.7327

# Complementary

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



47.0558, 34.0180, 81.1768



47.1366, 67.1061, 30.8918

# 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.



18.1439, 34.0180, 27.6978



47.0558, 34.0180, 81.1768



27.2340, 34.0180, 7.0256

# Square

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



47.0558, 34.0180, 81.1768



45.3739, 34.0180, 10.9863



21.0544, 34.0180, 12.7627



22.0661, 34.0180, 87.7521



# Rectangle

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



47.0558, 34.0180, 81.1768



52.7530, 34.0180, 30.4693



21.0544, 34.0180, 12.7627



18.0078, 34.0180, 44.4929

# Sweetspot

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



47.0570, 34.0194, 81.1775



81.0464, 77.4163, 105.2790



36.0955, 35.4423, 82.0299



16.9278, 15.9046, 22.4277



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.



47.0570, 34.0194, 81.1775



52.6643, 34.5595, 98.5027



53.2080, 37.5166, 66.7253



15.2711, 15.0850, 19.0291



17.4480, 8.0307, 44.3734



1.4639, 0.6790, 3.4888



# Inverse Universe

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



47.4959, 35.2318, 36.6458



53.6916, 36.4747, 35.9486



43.4668, 65.0377, 38.6977



15.2424, 15.1248, 16.5618



19.6815, 10.0753, 4.1241

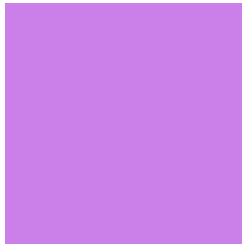


1.5857, 0.8072, 0.5354



# Previews

## White Background



This preview shows how the XYZ color 47.0558, 34.0180, 81.1768 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

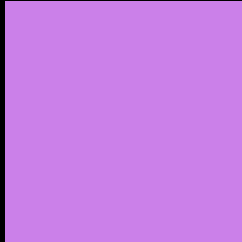
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 47.0558, 34.0180, 81.1768 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

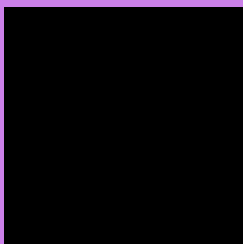
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 47.0558, 34.0180, 81.1768**

## **Background**



This preview shows how black text looks on a background with the XYZ color 47.0558, 34.0180, 81.1768.



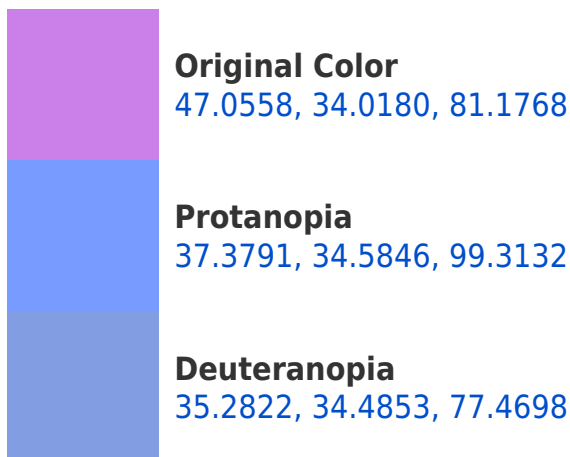
This preview shows how white text looks on a background with the XYZ color 47.0558, 34.0180,



# 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





## Tritanopia

37.9494, 33.8916, 36.4399

# Trichromacy



**Original Color**

47.0558, 34.0180, 81.1768

**Protanomaly**

39.4916, 33.4502, 92.3708

**Deuteranomaly**

38.3264, 33.3830, 78.5523

**Tritanomaly**

40.7545, 33.7038, 50.2564

# Monochromacy



**Original Color**

47.0558, 34.0180, 81.1768

**Achromatopsia**

34.3422, 36.1307, 39.3463

**Achromatomaly**

38.1149, 34.7906, 52.2833

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.0558, 34.0180, 81.1768 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(203, 128, 233)` looks like.

```
.text, #text, p{  
    color:rgb(203, 128, 233)  
}
```

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(203, 128, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 128, 233) }
```

## Border

The CSS property to change the border of an element to XYZ 47.0558, 34.0180, 81.1768 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(203, 128, 233) }
```



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

```
.border{ border-color:rgb(203, 128, 233) }
```

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

Here you see how a box with a 4 pixel rgb(203, 128, 233) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 128, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 128, 233);  
box-shadow:4px 4px 4px 4px rgb(203, 128,  
233) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.0558, 34.0180, 81.1768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 128, 233) }
```

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

```
.background{ background-color: rgb(203,  
128, 233) }
```

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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