

# Converting Colors

XYZ(47.3855, 34.2029, 98.7121)

Have a look what the booklet for  
XYZ(47.3855, 34.2029, 98.7121)  
contains.

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# Color

**XYZ(47.2678, 34.1324,  
98.7047)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BE82FF
RGB	190, 130, 255
RGB Percent	75%, 51%, 100%
CMY	0.2549, 0.4902, 0.0000
CMYK	0.25, 0.49, 0.00, 0.00
HSL	269°, 100%, 75%
HSV	269°, 49%, 100%
XYZ	47.2678, 34.1324, 98.7047
YIQ	162.1900, -4.3650, 51.5950

# Conversions

## Conversions Part 2

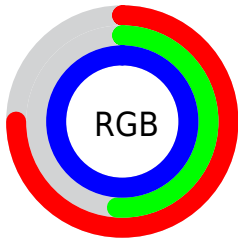
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	190, 130, 255
Decimal	12485375
CIE <sub>Lab</sub>	65.07, 46.71, -53.79
CIE <sub>LCh</sub>	65, 71.240, 310.968
Yxy	34.1324, 0.2624, 0.1895
Android (android.graphics.Color)	4290675455 (0xFFBE82FF)
YUV	162.1900, 45.7553, 24.3894
Hunter-Lab	58.4229, 42.1775, -59.2735

# Details

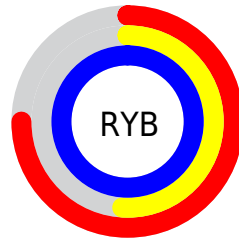
The XYZ color **47.2678, 34.1324, 98.7047** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **62.2953, 84.7339, 34.1922**, and the grayscale version is **34.2266, 36.0090, 39.2138**.

A 20% lighter version of the original color is **74.2574, 61.6407, 102.5918**, and **22.5903, 14.5125, 55.0366** is the 20% darker color. If you saturate the color by 10%, you get **41.1241, 26.5392, 97.5628**, and if you desaturate by 10%, it is **54.5555, 43.5640, 100.1410**.

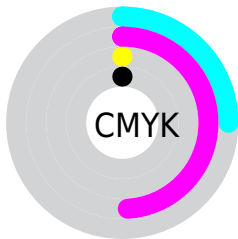
# Distribution



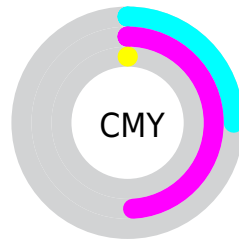
- Red (75%)
- Green (51%)
- Blue (100%)



- Red (75%)
- Yellow (51%)
- Blue (100%)



- Cyan (25%)
- Magenta (49%)
- Yellow (0%)
- Black (0%)




- Cyan (25%)
- Magenta (49%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.2678, 34.1324, 98.7047 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 47.2678, 34.1324, 98.7047 by changing the saturation by 10% instead.





 47.2678, 34.1324,  
98.7047


 47.2678, 34.1324,  
98.7047

366.5135,  
320.7220, 577.2430

 33.4562, 22.9953,  
74.6084


 85.3295, 66.1395,  
161.4123

 22.6371, 14.5901,  
54.7923


 110.3104, 87.7783,  
200.8607

 14.4450, 8.5322,  
38.8380


 139.7451,  
113.6865, 246.2635

 8.5146, 4.4373,  
26.3269

173.9990,  
144.2485, 298.0393

 4.4805, 1.9211,  
16.8404

213.4375,  
179.8487, 356.6066

 1.9774, 0.5610,  
9.9600

258.4258,

 0.6212, 0.0000,

220.8714, 422.3839

5.2672

309.3294,  
267.7010, 495.7899

■ 0.0000, 0.0000,  
2.3434

■ 0.0000, 0.0000,  
0.7554

■ 47.2678, 34.1324,  
98.7047

■ 47.2678, 34.1324,  
98.7047

■ 41.1241, 26.5392,  
97.5628

■ 54.5555, 43.5640,  
100.1410

■ 36.0497, 20.6501,  
96.6936

■ 63.0481, 54.9477,  
101.8907

■ 31.9650, 16.3176,  
96.0726

■ 72.8059, 68.3923,  
103.9715

■ 28.7759, 13.3660,  
95.6710

■ 83.8842, 83.9972,  
106.3997

■ 26.3467, 11.5374,  
95.4461

95.0500, 100.0000,  
108.9000

■ 26.1332, 11.3870,  
95.4283

# Harmonies

## Analogous

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



36.3655, 34.1324, 125.5252



47.2678, 34.1324, 98.7047



55.0471, 34.1324, 58.9456

# Triad

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



47.2678, 34.1324, 98.7047



39.3519, 34.1324, 5.1706



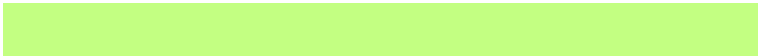
16.6007, 34.1324, 49.0592

# Complementary

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



47.2678, 34.1324, 98.7047



62.2953, 84.7339, 34.1922

# 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.



17.0670, 34.1324, 21.5430



47.2678, 34.1324, 98.7047



28.8110, 34.1324, 4.6350

# Square

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



47.2678, 34.1324, 98.7047



49.8490, 34.1324, 10.9700



21.0938, 34.1324, 8.6510



19.6475, 34.1324, 88.2604



# Rectangle

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



47.2678, 34.1324, 98.7047



56.6004, 34.1324, 36.2122



21.0938, 34.1324, 8.6510



16.3717, 34.1324, 38.1331

# Sweetspot

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



47.2690, 34.1337, 98.7048



77.0959, 74.3979, 104.9046



47.1474, 51.7481, 102.1112



16.0142, 15.2404, 22.3476



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.



47.2690, 34.1337, 98.7048



41.1344, 26.5515, 97.5647



65.7568, 43.6645, 99.5701



17.8327, 17.8055, 22.7469



13.8254, 6.0377, 49.8713



1.4714, 0.6525, 4.8617



# Inverse Universe

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



59.0734, 41.1663, 56.4624



54.7705, 34.6816, 48.4887



49.6481, 78.2141, 33.6004



18.4039, 18.1449, 20.7439



23.8224, 12.0183, 12.9812

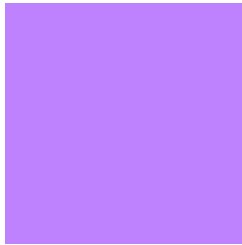


2.3747, 1.1923, 1.5548



# Previews

## White Background



This preview shows how the XYZ color 47.2678, 34.1324, 98.7047 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

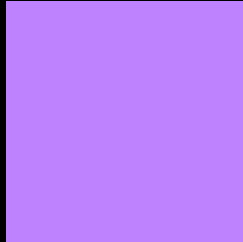
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 47.2678, 34.1324, 98.7047 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

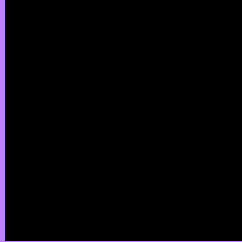
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 47.2678, 34.1324, 98.7047**

## **Background**



This preview shows how black text looks on a background with the XYZ color 47.2678, 34.1324, 98.7047.



This preview shows how white text looks on a background with the XYZ color 47.2678, 34.1324,



# 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

47.2678, 34.1324, 98.7047

### Protanopia

37.2426, 34.5142, 99.3068

### Deuteranopia

35.5101, 34.4814, 94.4065



## Tritanopia

35.3846, 34.1355, 39.8458

# Trichromacy



## Original Color

47.2678, 34.1324, 98.7047



## Protanomaly

39.8305, 33.7071, 99.0146



## Deuteranomaly

38.4837, 33.5481, 95.7139



## Tritanomaly

38.8737, 33.6810, 57.2755

# Monochromacy



## Original Color

47.2678, 34.1324, 98.7047



## Achromatopsia

34.3422, 36.1307, 39.3463



## Achromatomaly

37.8834, 34.5689, 56.9003

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.2678, 34.1324, 98.7047 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(190, 130, 255)` looks like.

```
.text, #text, p{  
    color:rgb(190, 130, 255)  
}
```

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(190, 130, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 130, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 47.2678, 34.1324, 98.7047 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(190, 130, 255) }
```



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

```
.border{ border-color:rgb(190, 130, 255) }
```

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

Here you see how a box with a 4 pixel rgb(190, 130, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 130, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 130, 255);  
box-shadow:4px 4px 4px 4px rgb(190, 130,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.2678, 34.1324, 98.7047 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 130, 255) }
```

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

```
.background{ background-color: rgb(190,  
130, 255) }
```

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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