

Converting Colors

XYZ(72.6886, 44.9031,
228.9264)

Have a look what the booklet for
XYZ(72.6886, 44.9031, 228.9264)
contains.

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Color

**XYZ(47.9234, 35.0714,
98.8514)**

Conversions

Conversions Part 1

Format	Color
Hex	BF85FF
RGB	191, 133, 255
RGB Percent	75%, 52%, 100%
CMY	0.2510, 0.4784, 0.0000
CMYK	0.25, 0.48, 0.00, 0.00
HSL	269°, 100%, 76%
HSV	269°, 48%, 100%
XYZ	47.9234, 35.0714, 98.8514
YIQ	164.2500, -4.5940, 50.2380

Conversions

Conversions Part 2

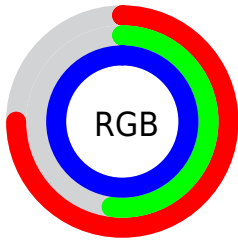
Format	Color
RYB	191, 133, 255
Decimal	12551679
CIELab	65.80, 45.36, -52.62
CIElCh	66, 69.467, 310.761
Yxy	35.0714, 0.2635, 0.1929
Android (android.graphics.Color)	4290741759 (0xFFBF85FF)
YUV	164.2500, 44.7398, 23.4597
Hunter-Lab	59.2211, 40.8103, -57.5116

Details

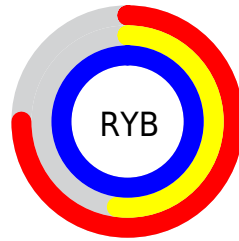
The XYZ color **47.9234, 35.0714, 98.8514** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **63.0198, 85.0839, 35.2928**, and the grayscale version is **35.2019, 37.0352, 40.3313**.

A 20% lighter version of the original color is **75.2447, 63.0846, 102.8185**, and **23.1271, 15.1130, 55.1242** is the 20% darker color. If you saturate the color by 10%, you get **41.6348, 27.2615, 97.6753**, and if you desaturate by 10%, it is **55.3690, 44.7369, 100.3246**.

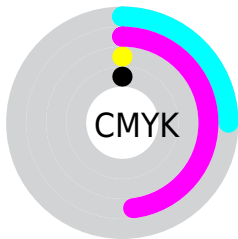
Distribution



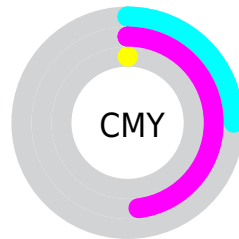
- Red (75%)
- Green (52%)
- Blue (100%)



- Red (75%)
- Yellow (52%)
- Blue (100%)



- Cyan (25%)
- Magenta (48%)
- Yellow (0%)
- Black (0%)





- Cyan (25%)
- Magenta (48%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.9234, 35.0714, 98.8514 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 47.9234, 35.0714, 98.8514 by changing the saturation by 10% instead.


 47.9234, 35.0714,
98.8514


 47.9234, 35.0714,
98.8514

369.0761,
324.8834, 577.7190


 33.9772, 23.7179,
74.7301


 86.3007, 67.5964,
161.6159

 23.0389, 15.1245,
54.8914


 111.4626, 89.5366,
201.0963

 14.7431, 8.9068,
38.9168


 141.0937,
115.7745, 246.5333

 8.7244, 4.6804,
26.3877

175.5595,
146.6945, 298.3457

 4.6175, 2.0610,
16.8855

215.2253,
182.6810, 356.9519

 2.0571, 0.6426,
9.9918

260.4564,

 0.6657, 0.0000,

224.1184, 422.7705

5.2880

311.6182,
271.3911, 496.2201

0.0000, 0.0000,
2.3555

0.0000, 0.0000,
0.7621

47.9234, 35.0714,
98.8514

47.9234, 35.0714,
98.8514

41.6348, 27.2615,
97.6753

55.3690, 44.7369,
100.3246

36.4290, 21.1742,
96.7747

64.0319, 56.3702,
102.1134

32.2276, 16.6645,
96.1257

73.9722, 70.0794,
104.2357

28.9381, 13.5605,
95.7000

85.2447, 85.9630,
106.7074

■ 26.4392, 11.6335, 95.0500, 100.0000,
95.4597 108.9000

■ 25.9678, 11.3018,
95.4205

Harmonies

Analogous

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



37.1500, 35.0714, 124.7671



47.9234, 35.0714, 98.8514



55.6105, 35.0714, 59.9595

Triad

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



47.9234, 35.0714, 98.8514



40.2567, 35.0714, 5.8467



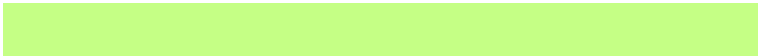
17.4835, 35.0714, 49.7208

Complementary

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



47.9234, 35.0714, 98.8514



63.0198, 85.0839, 35.2928

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.



17.9783, 35.0714, 22.4487



47.9234, 35.0714, 98.8514



29.7893, 35.0714, 5.2504

Square

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



47.9234, 35.0714, 98.8514



50.5948, 35.0714, 11.9238



22.0545, 35.0714, 9.4100



20.5275, 35.0714, 88.1437

Rectangle

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



47.9234, 35.0714, 98.8514



57.1701, 35.0714, 37.4420



22.0545, 35.0714, 9.4100



17.2602, 35.0714, 38.9414

Sweetspot

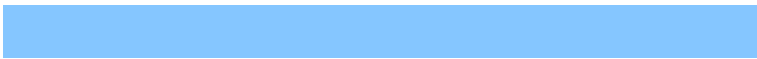
The Sweet Spot groups the original color and five complimentary colors.



47.9246, 35.0727, 98.8515



78.1425, 75.9193, 105.1431



47.9330, 52.6261, 102.2393



16.2192, 15.5393, 22.3945



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.



47.9246, 35.0727, 98.8515



42.1215, 27.8507, 97.7634



66.1977, 44.4928, 99.7067



17.8245, 17.8013, 22.7465



13.7385, 5.9929, 49.8672



1.4628, 0.6480, 4.8613

Inverse Universe

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



59.7060, 42.0672, 57.7962



55.6303, 35.8773, 50.3902



50.3218, 78.5378, 34.6985



18.4075, 18.1463, 20.7628



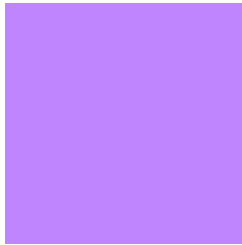
23.8648, 12.0352, 13.2046



2.3789, 1.1939, 1.5766

Previews

White Background



This preview shows how the XYZ color 47.9234, 35.0714, 98.8514 looks on a white background.

Color Contrast Check

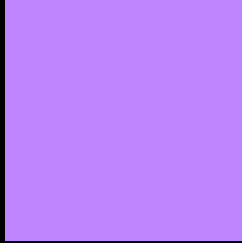
Large Text (above 18pt) WCAG AA × Fail

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 47.9234, 35.0714, 98.8514 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

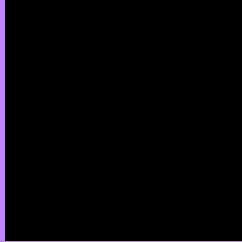
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.9234, 35.0714, 98.8514

Background



This preview shows how black text looks on a background with the XYZ color 47.9234, 35.0714, 98.8514.



This preview shows how white text looks on a background with the XYZ color 47.9234, 35.0714,

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

47.9234, 35.0714, 98.8514

Protanopia

38.1330, 35.4715, 99.4446

Deuteranopia

36.6362, 35.5544, 95.3742



Tritanopia

36.1177, 34.9783, 40.9243

Trichromacy



Original Color

47.9234, 35.0714, 98.8514



Protanomaly

40.6725, 34.6029, 99.1431



Deuteranomaly

39.4615, 34.5037, 96.6755



Tritanomaly

39.5280, 34.4587, 57.9939

Monochromacy



Original Color

47.9234, 35.0714, 98.8514



Achromatopsia

35.2861, 37.1238, 40.4278



Achromatomaly

38.9248, 35.8124, 57.6842

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.9234, 35.0714, 98.8514 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(191, 133, 255)` looks like.

```
.text, #text, p{  
    color:rgb(191, 133, 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(191, 133, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 133, 255) }
```

Border

The CSS property to change the border of an element to XYZ 47.9234, 35.0714, 98.8514 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(191, 133, 255) }
```


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

```
.border{ border-color:rgb(191, 133, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 133, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 133, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 133, 255);  
box-shadow:4px 4px 4px 4px rgb(191, 133,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 47.9234, 35.0714, 98.8514 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 133, 255) }
```

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

```
.background{ background-color: rgb(191,  
133, 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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