

Converting Colors

XYZ(54.6879, 37.4657,
142.1778)

Have a look what the booklet for
XYZ(54.6879, 37.4657, 142.1778)
contains.

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Color

**XYZ(46.3088, 34.0368,
98.7368)**

Conversions

Conversions Part 1

Format	Color
Hex	B984FF
RGB	185, 132, 255
RGB Percent	73%, 52%, 100%
CMY	0.2745, 0.4823, 0.0000
CMYK	0.27, 0.48, 0.00, 0.00
HSL	266°, 100%, 76%
HSV	266°, 48%, 100%
XYZ	46.3088, 34.0368, 98.7368
YIQ	161.8690, -7.8950, 49.4890

Conversions

Conversions Part 2

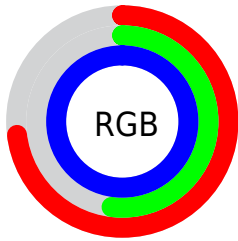
Format	Color
R _Y B	185, 132, 255
Decimal	12158207
CIE Lab	64.99, 44.34, -53.94
CIE LCh	65, 69.826, 309.418
Yxy	34.0368, 0.2586, 0.1901
Android (android.graphics.Color)	4290348287 (0xFFB984FF)
YUV	161.8690, 45.9136, 20.2859
Hunter-Lab	58.3411, 39.5893, -59.5040

Details

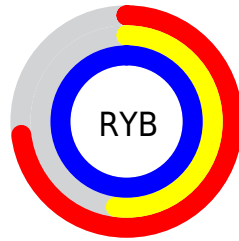
The XYZ color **46.3088, 34.0368, 98.7368** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **64.2822, 85.7426, 34.9929**, and the grayscale version is **34.0772, 35.8519, 39.0427**.

A 20% lighter version of the original color is **72.5711, 61.3925, 102.6328**, and **22.1887, 14.6292, 55.0803** is the 20% darker color. If you saturate the color by 10%, you get **39.9400, 26.2330, 97.5661**, and if you desaturate by 10%, it is **53.8824, 43.7172, 100.2061**.

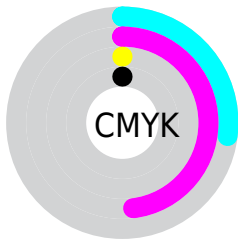
Distribution



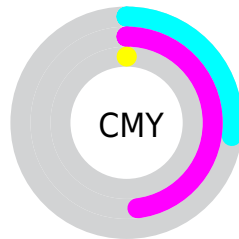
- Red (73%)
- Green (52%)
- Blue (100%)



- Red (73%)
- Yellow (52%)
- Blue (100%)



- Cyan (27%)
- Magenta (48%)
- Yellow (0%)
- Black (0%)





- Cyan (27%)
- Magenta (48%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.3088, 34.0368, 98.7368 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 46.3088, 34.0368, 98.7368 by changing the saturation by 10% instead.


 46.3088, 34.0368,
98.7368


 46.3088, 34.0368,
98.7368


362.7439,
320.2961, 577.3471

 32.6952, 22.9219,
74.6350


 83.9060, 65.9909,
161.4569

 22.0512, 14.5358,
54.8140


 108.6203, 87.5988,
200.9122

 14.0113, 8.4943,
38.8552


 137.7656,
113.4733, 246.3226

 8.2103, 4.4128,
26.3402

171.7072,
143.9985, 298.1064

 4.2827, 1.9071,
16.8502

210.8105,
179.5591, 356.6822

 1.8633, 0.5526,
9.9669

255.4408,

 0.5554, 0.0000,

220.5392, 422.4685

5.2717

305.9635,
267.3235, 495.8840

■ 0.0000, 0.0000,
2.3460

■ 0.0000, 0.0000,
0.7568

■ 46.3088, 34.0368,
98.7368

■ 46.3088, 34.0368,
98.7368

■ 39.9400, 26.2330,
97.5661

■ 53.8824, 43.7172,
100.2061

■ 34.6989, 20.1712,
96.6723

■ 62.7236, 55.3885,
101.9929

■ 30.5043, 15.7042,
96.0312

■ 72.8949, 69.1598,
104.1149

■ 27.2601, 12.6573,
95.6141

■ 84.4534, 85.1312,
106.5885

■ 24.8375, 10.7917, 95.0500, 100.0000,
95.3817 108.9000

■ 24.4656, 10.5273,
95.3502

Harmonies

Analogous

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



35.6325, 34.0368, 123.4097



46.3088, 34.0368, 98.7368



54.1392, 34.0368, 60.2417

Triad

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



46.3088, 34.0368, 98.7368



39.6664, 34.0368, 5.5763



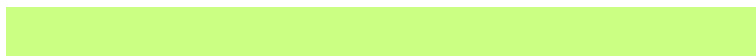
16.7307, 34.0368, 46.9220

Complementary

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



46.3088, 34.0368, 98.7368



64.2822, 85.7426, 34.9929

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.



17.3684, 34.0368, 20.7503



46.3088, 34.0368, 98.7368



29.2773, 34.0368, 4.8213

Square

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



46.3088, 34.0368, 98.7368



49.7841, 34.0368, 11.7814



21.5240, 34.0368, 8.5660



19.5523, 34.0368, 84.7560

Rectangle

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



46.3088, 34.0368, 98.7368



55.9032, 34.0368, 37.6281



21.5240, 34.0368, 8.5660



16.5634, 34.0368, 36.4982

Sweetspot

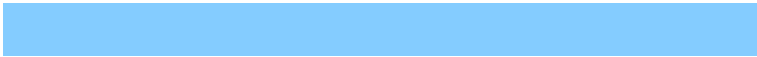
The Sweet Spot groups the original color and five complimentary colors.



46.3100, 34.0381, 98.7369



77.6163, 75.6480, 105.1184



49.1000, 55.1934, 102.6733



16.0914, 15.4734, 22.3885



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.



46.3100, 34.0381, 98.7369



40.0759, 26.3952, 97.5903



63.8708, 43.0910, 99.5588



17.7453, 17.7604, 22.7428



12.9470, 5.5849, 49.8302



1.3828, 0.6068, 4.8575

Inverse Universe

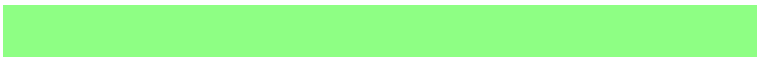
The Inverse Universe completely reimagines the original color for something new.



60.1524, 42.0277, 60.8190



55.9418, 35.5697, 53.3629



51.1239, 78.9592, 34.3771



18.4425, 18.1603, 20.9476



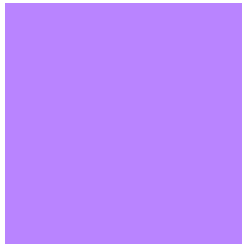
24.3005, 12.2095, 15.4987



2.4209, 1.2107, 1.7977

Previews

White Background



This preview shows how the XYZ color 46.3088, 34.0368, 98.7368 looks on a white background.

Color Contrast Check

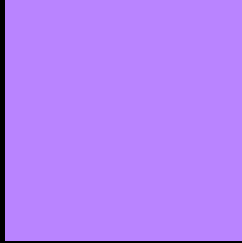
Large Text (above 18pt) WCAG AA × Fail

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 46.3088, 34.0368, 98.7368 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

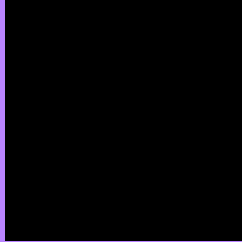
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.3088, 34.0368, 98.7368

Background



This preview shows how black text looks on a background with the XYZ color 46.3088, 34.0368, 98.7368.



This preview shows how white text looks on a background with the XYZ color 46.3088, 34.0368,

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

46.3088, 34.0368, 98.7368

Protanopia

37.2426, 34.5142, 99.3068

Deuteranopia

35.5456, 34.4816, 95.2246



Tritanopia

34.3312, 33.8239, 40.3165

Trichromacy



Original Color

46.3088, 34.0368, 98.7368



Protanomaly

39.6390, 33.8382, 99.0500



Deuteranomaly

38.3098, 33.6741, 96.5761



Tritanomaly

37.7740, 33.3267, 57.8679

Monochromacy



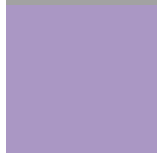
Original Color

46.3088, 34.0368, 98.7368



Achromatopsia

34.3422, 36.1307, 39.3463



Achromatomaly

37.6080, 34.6648, 56.9334

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.3088, 34.0368, 98.7368 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(185, 132, 255)` looks like.

```
.text, #text, p{  
    color:rgb(185, 132, 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(185, 132, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 132, 255) }
```

Border

The CSS property to change the border of an element to XYZ 46.3088, 34.0368, 98.7368 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(185, 132, 255) }
```


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

```
.border{ border-color:rgb(185, 132, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 132, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 132, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 132, 255);  
box-shadow:4px 4px 4px 4px rgb(185, 132,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 46.3088, 34.0368, 98.7368 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 132, 255) }
```

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

```
.background{ background-color: rgb(185,  
132, 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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