

Converting Colors

XYZ(65.0347, 41.7232,
195.9455)

Have a look what the booklet for
XYZ(65.0347, 41.7232, 195.9455)
contains.

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Color

**XYZ(46.6872, 34.4342,
98.7935)**

Conversions

Conversions Part 1

Format	Color
Hex	BA85FF
RGB	186, 133, 255
RGB Percent	73%, 52%, 100%
CMY	0.2706, 0.4784, 0.0000
CMYK	0.27, 0.48, 0.00, 0.00
HSL	266°, 100%, 76%
HSV	266°, 48%, 100%
XYZ	46.6872, 34.4342, 98.7935
YIQ	162.7550, -7.5740, 49.1780

Conversions

Conversions Part 2

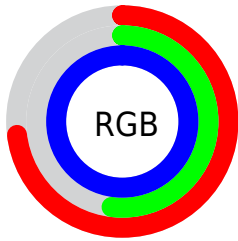
Format	Color
R _Y B	186, 133, 255
Decimal	12223999
CIE Lab	65.31, 44.05, -53.44
CIE LCh	65, 69.256, 309.501
Yxy	34.4342, 0.2595, 0.1914
Android (android.graphics.Color)	4290414079 (0xFFBA85FF)
YUV	162.7550, 45.4768, 20.3859
Hunter-Lab	58.6807, 39.3261, -58.7429

Details

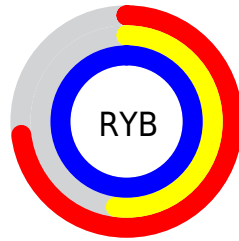
The XYZ color **46.6872, 34.4342, 98.7935** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **64.3511, 85.7702, 35.3552**, and the grayscale version is **34.4936, 36.2900, 39.5198**.

A 20% lighter version of the original color is **73.1286, 61.9937, 102.7194**, and **22.4163, 14.8576, 55.1124** is the 20% darker color. If you saturate the color by 10%, you get **40.2818, 26.5640, 97.6120**, and if you desaturate by 10%, it is **54.2960, 44.1838, 100.2744**.

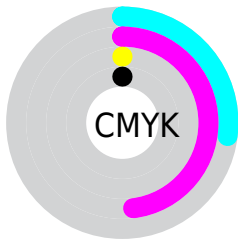
Distribution



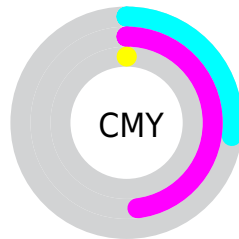
- Red (73%)
- Green (52%)
- Blue (100%)



- 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 46.6872, 34.4342, 98.7935 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 46.6872, 34.4342, 98.7935 by changing the saturation by 10% instead.


 46.6872, 34.4342,
98.7935


 46.6872, 34.4342,
98.7935


364.2344,
322.0638, 577.5312


 32.9954, 23.2274,
74.6821

 84.4681, 66.6083,
161.5356

 22.2821, 14.7615,
54.8523


 109.2879, 88.3444,
201.0033

 14.1821, 8.6522,
38.8857


 138.5477,
114.3590, 246.4269

 8.3300, 4.5150,
26.3637

172.6128,
145.0365, 298.2248

 4.3604, 1.9656,
16.8677

211.8487,
180.7614, 356.8156

 1.9080, 0.5874,
9.9792

256.6207,

 0.5815, 0.0000,

221.9179, 422.6180

5.2798

307.2941,
268.8906, 496.0503

■ 0.0000, 0.0000,
2.3507

■ 0.0000, 0.0000,
0.7594

■ 46.6872, 34.4342,
98.7935

■ 46.6872, 34.4342,
98.7935

■ 40.2818, 26.5640,
97.6120

■ 54.2960, 44.1838,
100.2744

■ 35.0033, 20.4392,
96.7080

■ 63.1706, 55.9263,
102.0731

■ 30.7710, 15.9136,
96.0576

■ 73.3731, 69.7706,
104.2076

■ 27.4897, 12.8138,
95.6322

■ 84.9603, 85.8164,
106.6941

■ 25.0353, 10.9097,
95.3940

95.0500, 100.0000,
108.9000

■ 24.5780, 10.5853,
95.3555

Harmonies

Analogous

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



36.0370, 34.4342, 123.3428



46.6872, 34.4342, 98.7935



54.4748, 34.4342, 60.5139

Triad

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



46.6872, 34.4342, 98.7935



40.0046, 34.4342, 5.8139



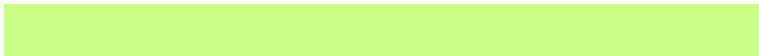
17.0793, 34.4342, 47.4336

Complementary

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



46.6872, 34.4342, 98.7935



64.3511, 85.7702, 35.3552

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.



17.7108, 34.4342, 21.2056



46.6872, 34.4342, 98.7935



29.6293, 34.4342, 5.0540

Square

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



46.6872, 34.4342, 98.7935



50.0994, 34.4342, 12.0904



21.8730, 34.4342, 8.8835



19.9238, 34.4342, 85.1113

Rectangle

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



46.6872, 34.4342, 98.7935



56.2177, 34.4342, 37.9793



21.8730, 34.4342, 8.8835



16.9078, 34.4342, 37.0109

Sweetspot

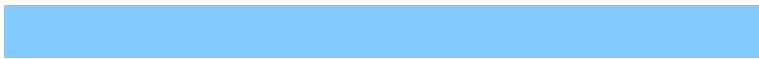
The Sweet Spot groups the original color and five complimentary colors.



46.6884, 34.4355, 98.7937



77.6579, 75.6694, 105.1204



48.8756, 54.5112, 102.5534



16.1015, 15.4786, 22.3890



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.



46.6884, 34.4355, 98.7937



40.7765, 27.1574, 97.7005



64.7488, 43.7460, 99.6389



17.7516, 17.7637, 22.7431



13.0064, 5.6155, 49.8330



1.3889, 0.6099, 4.8578

Inverse Universe

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



60.2887, 42.3003, 60.8646



56.2766, 36.1358, 53.7937



51.0016, 78.8882, 34.7304



18.4398, 18.1592, 20.9329



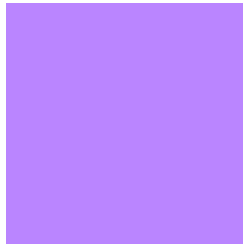
24.2643, 12.1950, 15.3083



2.4174, 1.2093, 1.7795

Previews

White Background



This preview shows how the XYZ color 46.6872, 34.4342, 98.7935 looks on a white background.

Color Contrast Check

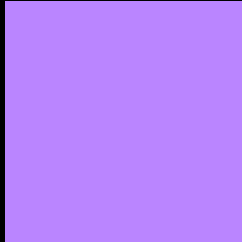
Large Text (above 18pt) WCAG AA × Fail

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 46.6872, 34.4342, 98.7935 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

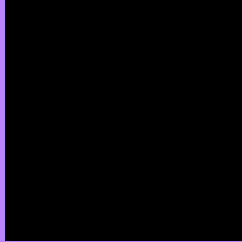
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.6872, 34.4342, 98.7935

Background



This preview shows how black text looks on a background with the XYZ color 46.6872, 34.4342, 98.7935.



This preview shows how white text looks on a background with the XYZ color 46.6872, 34.4342,

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

46.6872, 34.4342, 98.7935

Protanopia

37.5462, 34.9189, 99.3689

Deuteranopia

35.9601, 34.9496, 95.2931



Tritanopia

35.0161, 34.4104, 40.8727

Trichromacy



Original Color

46.6872, 34.4342, 98.7935



Protanomaly

39.9676, 34.2394, 99.1101



Deuteranomaly

38.7936, 34.1593, 96.6442



Tritanomaly

38.3764, 33.8651, 57.9400

Monochromacy



Original Color

46.6872, 34.4342, 98.7935



Achromatopsia

34.8123, 36.6253, 39.8849



Achromatomaly

37.9866, 35.0999, 56.9974

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.6872, 34.4342, 98.7935 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(186, 133, 255)` looks like.

```
.text, #text, p{  
    color:rgb(186, 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(186, 133, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 133, 255) }
```

Border

The CSS property to change the border of an element to XYZ 46.6872, 34.4342, 98.7935 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(186, 133, 255) }
```


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

```
.border{ border-color:rgb(186, 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(186, 133, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 133, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 133, 255);  
box-shadow:4px 4px 4px 4px rgb(186, 133,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 46.6872, 34.4342, 98.7935 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 133, 255) }
```

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

```
.background{ background-color: rgb(186,  
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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