

Converting Colors

XYZ(47.5881, 34.3074, 98.7216)

Have a look what the booklet for
XYZ(47.5881, 34.3074, 98.7216)
contains.

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Color

**XYZ(47.5185, 34.2616,
98.7164)**

Conversions

Conversions Part 1

Format	Color
Hex	BF82FF
RGB	191, 130, 255
RGB Percent	75%, 51%, 100%
CMY	0.2510, 0.4902, 0.0000
CMYK	0.25, 0.49, 0.00, 0.00
HSL	269°, 100%, 75%
HSV	269°, 49%, 100%
XYZ	47.5185, 34.2616, 98.7164
YIQ	162.4890, -3.7690, 51.8070

Conversions

Conversions Part 2

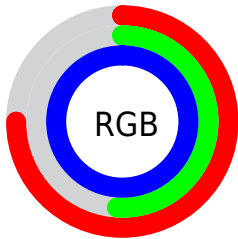
Format	Color
RYB	191, 130, 255
Decimal	12550911
CIELab	65.17, 46.97, -53.62
CIELCh	65, 71.283, 311.214
Yxy	34.2616, 0.2633, 0.1898
Android (android.graphics.Color)	4290740991 (0xFFBF82FF)
YUV	162.4890, 45.6079, 25.0041
Hunter-Lab	58.5334, 42.4761, -59.0190

Details

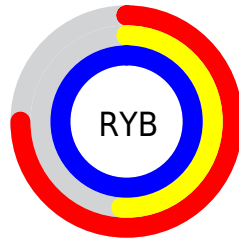
The XYZ color **47.5185, 34.2616, 98.7164** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **62.0376, 84.6011, 34.1801**, and the grayscale version is **34.3669, 36.1567, 39.3747**.

A 20% lighter version of the original color is **74.6148, 61.8250, 102.6085**, and **22.7489, 14.5943, 55.0441** is the 20% darker color. If you saturate the color by 10%, you get **41.3992, 26.6810, 97.5757**, and if you desaturate by 10%, it is **54.7732, 43.6762, 100.1512**.

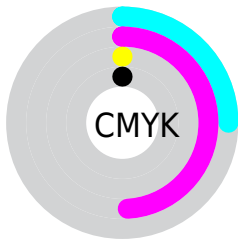
Distribution



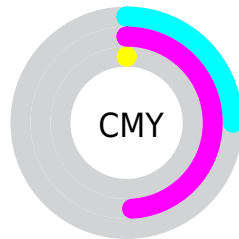
- Red (75%)
- Green (51%)
- Blue (100%)



- 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 47.5185, 34.2616, 98.7164 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 47.5185, 34.2616, 98.7164 by changing the saturation by 10% instead.


 47.5185, 34.2616,
98.7164


 47.5185, 34.2616,
98.7164


367.4948,
321.2969, 577.2809


 33.6554, 23.0946,
74.6181

 85.7011, 66.3403,
161.4286

 22.7906, 14.6634,
54.8002


 110.7513, 88.0208,
200.8795

 14.5588, 8.5835,
38.8443

 140.2613,
113.9746, 246.2850

 8.5946, 4.4705,
26.3317

174.5964,
144.5861, 298.0637

 4.5327, 1.9401,
16.8440

214.1219,
180.2397, 356.6341

 2.0077, 0.5723,
9.9625

259.2033,

 0.6383, 0.0000,

221.3197, 422.4148

5.2688

310.2058,
268.2107, 495.8242

■ 0.0000, 0.0000,
2.3444

■ 0.0000, 0.0000,
0.7559

■ 47.5185, 34.2616,
98.7164

■ 47.5185, 34.2616,
98.7164

■ 41.3992, 26.6810,
97.5757

■ 54.7732, 43.6762,
100.1512

■ 36.3408, 20.8002,
96.7072

■ 63.2239, 55.0383,
101.8989

■ 32.2644, 16.4719,
96.0866

■ 72.9304, 68.4564,
103.9773

■ 29.0762, 13.5208,
95.6850

■ 83.9477, 84.0299,
106.4026

■ 26.6408, 11.6891, 95.0500, 100.0000,
95.4598 108.9000

■ 26.4264, 11.5382,
95.4420

Harmonies

Analogous

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



36.5910, 34.2616, 125.8120



47.5185, 34.2616, 98.7164



55.2773, 34.2616, 58.8381

Triad

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



47.5185, 34.2616, 98.7164



39.4042, 34.2616, 5.1784



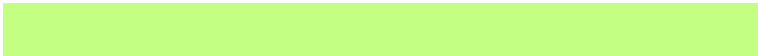
16.6823, 34.2616, 49.5257

Complementary

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



47.5185, 34.2616, 98.7164



62.0376, 84.6011, 34.1801

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.



17.1216, 34.2616, 21.7943



47.5185, 34.2616, 98.7164



28.8450, 34.2616, 4.6734

Square

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



47.5185, 34.2616, 98.7164



49.9499, 34.2616, 10.9408



21.1318, 34.2616, 8.7554



19.7691, 34.2616, 88.8793

Rectangle

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



47.5185, 34.2616, 98.7164



56.7934, 34.2616, 36.1100



21.1318, 34.2616, 8.7554



16.4430, 34.2616, 38.5262

Sweetspot

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



47.5197, 34.2629, 98.7166



77.1971, 74.4501, 104.9093



46.6786, 50.8105, 101.9549



16.0386, 15.2530, 22.3487



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.



47.5197, 34.2629, 98.7166



41.4094, 26.6933, 97.5776



66.5107, 44.0531, 99.6053



17.8470, 17.8128, 22.7475



13.9794, 6.1171, 49.8785



1.4867, 0.6604, 4.8624

Inverse Universe

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



58.9606, 41.1211, 55.8685



54.6458, 34.6317, 47.8323



49.3187, 78.0443, 33.5849



18.3976, 18.1423, 20.7108



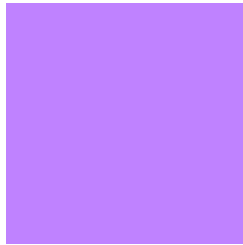
23.7495, 11.9891, 12.5973



2.3676, 1.1894, 1.5173

Previews

White Background



This preview shows how the XYZ color 47.5185, 34.2616, 98.7164 looks on a white background.

Color Contrast Check

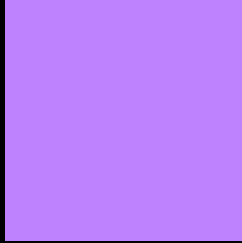
Large Text (above 18pt) WCAG AA × Fail

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 47.5185, 34.2616, 98.7164 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 47.5185, 34.2616, 98.7164

Background



This preview shows how black text looks on a background with the XYZ color 47.5185, 34.2616, 98.7164.



This preview shows how white text looks on a background with the XYZ color 47.5185, 34.2616,

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

47.5185, 34.2616, 98.7164

Protanopia

37.2426, 34.5142, 99.3068

Deuteranopia

35.6324, 34.5445, 94.4123



Tritanopia

35.6083, 34.2508, 39.8563

Trichromacy



Original Color

47.5185, 34.2616, 98.7164

Protanomaly

40.0059, 33.7975, 99.0228

Deuteranomaly

38.6500, 33.6338, 95.7217

Tritanomaly

39.1074, 33.8015, 57.2865

Monochromacy



Original Color

47.5185, 34.2616, 98.7164

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

38.1037, 34.6825, 56.9107

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.5185, 34.2616, 98.7164 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, 130, 255)` looks like.

```
.text, #text, p{  
    color:rgb(191, 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(191, 130, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 130, 255) }
```

Border

The CSS property to change the border of an element to XYZ 47.5185, 34.2616, 98.7164 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, 130, 255) }
```


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

```
.border{ border-color:rgb(191, 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(191, 130, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 130, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 130, 255);  
box-shadow:4px 4px 4px 4px rgb(191, 130,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 47.5185, 34.2616, 98.7164 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 130, 255) }
```

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

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