

Converting Colors

XYZ(65.1407, 40.1669,
173.3617)

Have a look what the booklet for
XYZ(65.1407, 40.1669, 173.3617)
contains.

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Color

**XYZ(51.0220, 34.5490,
98.5872)**

Conversions

Conversions Part 1

Format	Color
Hex	D07AFF
RGB	208, 122, 255
RGB Percent	82%, 48%, 100%
CMY	0.1843, 0.5216, 0.0000
CMYK	0.18, 0.52, 0.00, 0.00
HSL	279°, 100%, 74%
HSV	279°, 52%, 100%
XYZ	51.0220, 34.5490, 98.5872
YIQ	162.8760, 8.5630, 59.5950

Conversions

Conversions Part 2

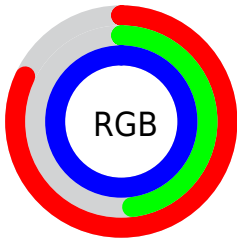
Format	Color
RYB	208, 122, 255
Decimal	13662975
CIELab	65.40, 55.51, -53.15
CIELCh	65, 76.854, 316.247
Yxy	34.5490, 0.2771, 0.1876
Android (android.graphics.Color)	4291853055 (0xFFD07AFF)
YUV	162.8760, 45.4171, 39.5737
Hunter-Lab	58.7784, 52.0829, -58.3004

Details

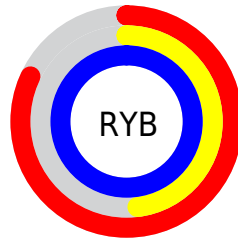
The XYZ color **51.0220, 34.5490, 98.5872** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **55.6356, 81.3604, 31.1855**, and the grayscale version is **34.5454, 36.3445, 39.5791**.

A 20% lighter version of the original color is **75.0121, 59.9243, 102.2207**, and **25.0837, 14.9128, 54.9825** is the 20% darker color. If you saturate the color by 10%, you get **45.8300, 27.8190, 97.5618**, and if you desaturate by 10%, it is **57.1816, 42.9984, 99.8935**.

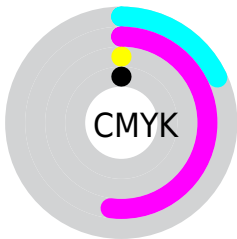
Distribution



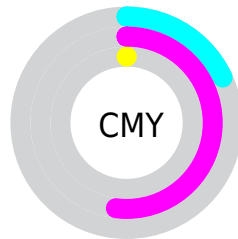
- Red (82%)
- Green (48%)
- Blue (100%)



- Red (82%)
- Yellow (48%)
- Blue (100%)



- Cyan (18%)
- Magenta (52%)
- Yellow (0%)
- Black (0%)





- Cyan (18%)
- Magenta (52%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.0220, 34.5490, 98.5872 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 51.0220, 34.5490, 98.5872 by changing the saturation by 10% instead.


 51.0220, 34.5490,
98.5872


 51.0220, 34.5490,
98.5872


381.0355,
322.5731, 576.8615


 36.4472, 23.3157,
74.5109


 90.8701, 66.7865,
161.2492

 24.9515, 14.8268,
54.7130


 116.8741, 88.5595,
200.6720

 16.1695, 8.6979,
38.7749


 147.4186,
114.6144, 246.0473

 9.7358, 4.5447,
26.2782


182.8689,
145.3358, 297.7938

 5.2850, 1.9827,
16.8042

223.5904,
181.1080, 356.3299

 2.4519, 0.5974,
9.9345

269.9484,

 0.8711, 0.0000,

222.3153, 422.0742

5.2505

322.3084,
269.3422, 495.4452

■ 0.0000, 0.0000,
2.3337

■ 0.0000, 0.0000,
0.7500

■ 51.0220, 34.5490,
98.5872

■ 51.0220, 34.5490,
98.5872

■ 45.8300, 27.8190,
97.5618

■ 57.1816, 42.9984,
99.8935

■ 41.5339, 22.6717,
96.7947

■ 64.3662, 53.2814,
101.4996

■ 38.0567, 18.9556,
96.2607

■ 72.6323, 65.5072,
103.4238

■ 35.3044, 16.4864,
95.9292

■ 82.0312, 79.7750,
105.6823

■ 33.5441, 15.2075,
95.7751

■ 92.6108, 96.1769,
108.2906

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



39.2530, 34.5490, 133.6159



51.0220, 34.5490, 98.5872



58.5751, 34.5490, 54.3065

Triad

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



51.0220, 34.5490, 98.5872



38.2398, 34.5490, 3.8576



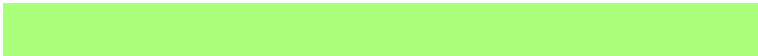
16.1715, 34.5490, 57.6939

Complementary

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



51.0220, 34.5490, 98.5872



55.6356, 81.3604, 31.1855

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.



16.0204, 34.5490, 24.7552



51.0220, 34.5490, 98.5872



27.1626, 34.5490, 4.0121

Square

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



51.0220, 34.5490, 98.5872



50.1361, 34.5490, 8.3067



19.5864, 34.5490, 9.0212



20.0609, 34.5490, 102.2477

Rectangle

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



51.0220, 34.5490, 98.5872



59.2996, 34.5490, 31.2856



19.5864, 34.5490, 9.0212



15.7183, 34.5490, 44.7519

Sweetspot

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



51.0232, 34.5504, 98.5874



78.2804, 74.0418, 104.7734



40.5960, 40.3966, 100.2654



16.3405, 15.2183, 22.3261



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.



51.0232, 34.5504, 98.5874



45.4334, 27.3249, 97.4874



63.5252, 41.3101, 84.9511



18.1333, 17.9605, 22.7609



17.6957, 8.0329, 50.0524



1.8417, 0.8433, 4.8790

Inverse Universe

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



55.3616, 38.0447, 41.9622



50.8695, 31.5660, 32.7408



48.5008, 77.5436, 37.1205



18.2745, 18.0931, 20.0625



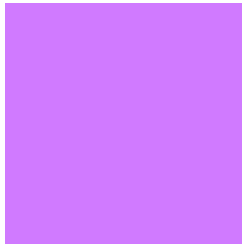
22.5795, 11.5211, 6.4360



2.2481, 1.1416, 0.8879

Previews

White Background



This preview shows how the XYZ color 51.0220, 34.5490, 98.5872 looks on a white background.

Color Contrast Check

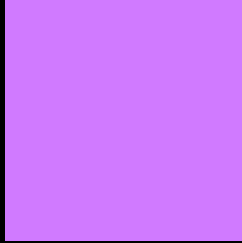
Large Text (above 18pt) WCAG AA × Fail

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 51.0220, 34.5490, 98.5872 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

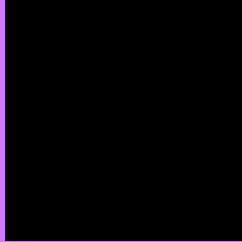
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.0220, 34.5490, 98.5872

Background



This preview shows how black text looks on a background with the XYZ color 51.0220, 34.5490, 98.5872.



This preview shows how white text looks on a background with the XYZ color 51.0220, 34.5490,

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

51.0220, 34.5490, 98.5872

Protanopia

37.5462, 34.9189, 99.3689

Deuteranopia

36.0235, 35.0183, 93.6675



Tritanopia

38.4428, 34.3638, 36.9545

Trichromacy



Original Color

51.0220, 34.5490, 98.5872



Protanomaly

40.7858, 33.7458, 98.9717



Deuteranomaly

39.7241, 33.7258, 95.6828

Tritanomaly

41.8600, 33.7473, 54.7597

Monochromacy



Original Color

51.0220, 34.5490, 98.5872



Achromatopsia

34.8123, 36.6253, 39.8849



Achromatomaly

39.1441, 34.7490, 56.8687

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.0220, 34.5490, 98.5872 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(208, 122, 255)` looks like.

```
.text, #text, p{  
    color:rgb(208, 122, 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(208, 122, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 122, 255) }
```

Border

The CSS property to change the border of an element to XYZ 51.0220, 34.5490, 98.5872 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(208, 122, 255) }
```


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

```
.border{ border-color:rgb(208, 122, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 122, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 122, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 122, 255);  
box-shadow:4px 4px 4px 4px rgb(208, 122,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 51.0220, 34.5490, 98.5872 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 122, 255) }
```

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

```
.background{ background-color: rgb(208,  
122, 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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