

Converting Colors

XYZ(54.2236, 34.8022, 98.4670)

Have a look what the booklet for
XYZ(54.2236, 34.8022, 98.4670)
contains.

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Color

**XYZ(54.1915, 34.7842,
98.4656)**

Conversions

Conversions Part 1

Format	Color
Hex	DE72FF
RGB	222, 114, 255
RGB Percent	87%, 45%, 100%
CMY	0.1294, 0.5529, 0.0000
CMYK	0.13, 0.55, 0.00, 0.00
HSL	286°, 100%, 72%
HSV	286°, 55%, 100%
XYZ	54.1915, 34.7842, 98.4656
YIQ	162.3660, 19.1070, 66.7470

Conversions

Conversions Part 2

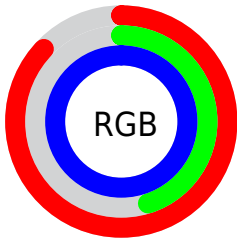
Format	Color
RYB	222, 114, 255
Decimal	14578431
CIELab	65.58, 62.97, -52.75
CIELCh	66, 82.142, 320.045
Yxy	34.7842, 0.2891, 0.1856
Android (android.graphics.Color)	4292768511 (0xFFDE72FF)
YUV	162.3660, 45.6686, 52.2990
Hunter-Lab	58.9781, 60.8013, -57.7016

Details

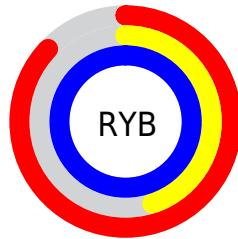
The XYZ color **54.1915, 34.7842, 98.4656** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **50.8306, 78.9383, 28.4785**, and the grayscale version is **34.3017, 36.0880, 39.2999**.

A 20% lighter version of the original color is **73.6647, 57.2295, 101.7716**, and **27.0159, 14.9958, 54.8967** is the 20% darker color. If you saturate the color by 10%, you get **49.9104, 28.8867, 97.5529**, and if you desaturate by 10%, it is **59.3413, 42.3208, 99.6488**.

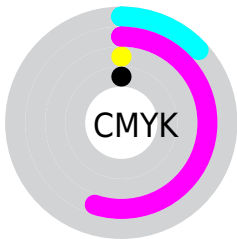
Distribution



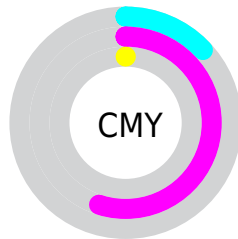
- Red (87%)
- Green (45%)
- Blue (100%)



- Red (87%)
- Yellow (45%)
- Blue (100%)



- Cyan (13%)
- Magenta (55%)
- Yellow (0%)
- Black (0%)





- Cyan (13%)
- Magenta (55%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 54.1915, 34.7842, 98.4656 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 54.1915, 34.7842, 98.4656 by changing the saturation by 10% instead.


 54.1915, 34.7842,
98.4656

 54.1915, 34.7842,
98.4656

393.0263,
323.6148, 576.4666

 38.9861, 23.4967,
74.4100


 95.5106, 67.1513,
161.0804

 26.9296, 14.9607,
54.6308


 122.3550, 88.9997,
200.4767

 17.6566, 8.7918,
38.7096


 153.8097,
115.1372, 245.8236

 10.8019, 4.6056,
26.2278

190.2402,
145.9482, 297.5397

 6.0001, 2.0178,
16.7669

232.0117,
181.8170, 356.0435

 2.8858, 0.6178,
9.9082

279.4897,

 1.0937, 0.0000,

223.1282, 421.7535

5.2333

333.0394,
270.2659, 495.0884

■ 0.0198, 0.0000,
2.3237

■ 0.0000, 0.0000,
0.7444

■ 54.1915, 34.7842,
98.4656

■ 54.1915, 34.7842,
98.4656

■ 49.9104, 28.8867,
97.5529

■ 59.3413, 42.3208,
99.6488

■ 46.4250, 24.4869,
96.8873

■ 65.4173, 51.6138,
101.1223

■ 43.6563, 21.4261,
96.4424

■ 72.4762, 62.7747,
102.9046

■ 41.5047, 19.5066,
96.1853

■ 80.5688, 75.9041,
105.0123

■ 40.6388, 18.8650,
96.1071

■ 89.7424, 91.0956,
107.4610

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.



41.6554, 34.7842, 140.6618



54.1915, 34.7842, 98.4656



61.5348, 34.7842, 50.5428

Triad

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



54.1915, 34.7842, 98.4656



37.2308, 34.7842, 2.9033



15.7227, 34.7842, 65.4733

Complementary

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



54.1915, 34.7842, 98.4656



50.8306, 78.9383, 28.4785

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.



15.0889, 34.7842, 27.5217



54.1915, 34.7842, 98.4656



25.7390, 34.7842, 3.4831

Square

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



54.1915, 34.7842, 98.4656



50.2841, 34.7842, 6.3822



18.2915, 34.7842, 9.2450



20.3028, 34.7842, 114.9050

Rectangle

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



54.1915, 34.7842, 98.4656



61.5253, 34.7842, 27.4397



18.2915, 34.7842, 9.2450



15.0926, 34.7842, 50.6661

Sweetspot

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



54.1927, 34.7856, 98.4658



79.1116, 73.5185, 104.6286



35.7776, 32.3729, 98.9706



16.5748, 15.1516, 22.3009



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.



54.1927, 34.7856, 98.4658



49.6384, 28.5278, 97.4979



60.1432, 38.4498, 71.7891



18.3527, 18.0735, 22.7712



21.3730, 9.9287, 50.2245



2.1768, 1.0161, 4.8947

Inverse Universe

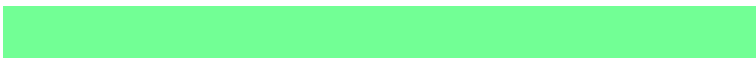
The Inverse Universe completely reimagines the original color for something new.



52.5245, 35.4023, 31.6697



48.3955, 29.5365, 22.9188



48.1451, 77.2757, 40.9182



18.1835, 18.0567, 19.5837



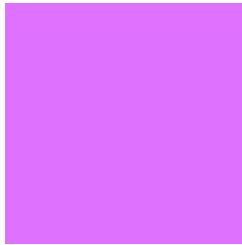
22.0178, 11.2964, 3.4783



2.1838, 1.1159, 0.5492

Previews

White Background



This preview shows how the XYZ color 54.1915, 34.7842, 98.4656 looks on a white background.

Color Contrast Check

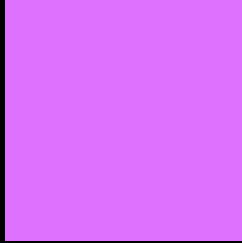
Large Text (above 18pt) WCAG AA × Fail

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 54.1915, 34.7842, 98.4656 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

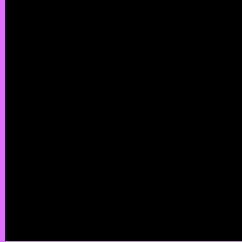
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 54.1915, 34.7842, 98.4656

Background



This preview shows how black text looks on a background with the XYZ color 54.1915, 34.7842, 98.4656.



This preview shows how white text looks on a background with the XYZ color 54.1915, 34.7842,

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

54.1915, 34.7842, 98.4656

Protanopia

37.8527, 35.3270, 99.4315

Deuteranopia

36.2569, 35.1565, 92.8706



Tritanopia

40.9245, 34.5821, 34.2238

Trichromacy



Original Color

54.1915, 34.7842, 98.4656



Protanomaly

41.4795, 33.4379, 98.8757



Deuteranomaly

40.4042, 33.4171, 94.7631

Tritanomaly

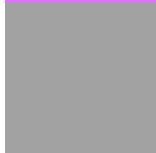
44.4530, 33.9038, 52.3453

Monochromacy



Original Color

54.1915, 34.7842, 98.4656



Achromatopsia

34.3422, 36.1307, 39.3463



Achromatomaly

39.8564, 34.4267, 56.7689

CSS Examples

Text

The CSS property to change the color of the text to XYZ 54.1915, 34.7842, 98.4656 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(222, 114, 255)` looks like.

```
.text, #text, p{  
    color:rgb(222, 114, 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(222, 114, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 114, 255) }
```

Border

The CSS property to change the border of an element to XYZ 54.1915, 34.7842, 98.4656 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(222, 114, 255) }
```


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

```
.border{ border-color:rgb(222, 114, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 114, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(222, 114, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(222, 114, 255); box-shadow:4px 4px 4px 4px rgb(222, 114, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 54.1915, 34.7842, 98.4656 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 114, 255) }
```

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

```
.background{ background-color: rgb(222,  
114, 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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