

Converting Colors

XYZ(50.8401, 35.1998, 98.7224)

Have a look what the booklet for
XYZ(50.8401, 35.1998, 98.7224)
contains.

XYZ(50.9645, 35.2635, 98.7282)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(50.9645, 35.2635,
98.7282)**

Conversions

Conversions Part 1

Format	Color
Hex	CE7EFF
RGB	206, 126, 255
RGB Percent	81%, 49%, 100%
CMY	0.1921, 0.5059, 0.0000
CMYK	0.19, 0.51, 0.00, 0.00
HSL	277°, 100%, 75%
HSV	277°, 51%, 100%
XYZ	50.9645, 35.2635, 98.7282
YIQ	164.6260, 6.2710, 57.0790

Conversions

Conversions Part 2

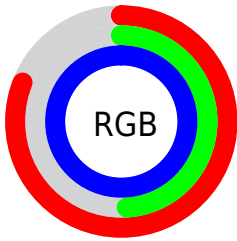
Format	Color
R _Y B	206, 126, 255
Decimal	13532927
CIE Lab	65.95, 52.96, -52.28
CIE LCh	66, 74.417, 315.370
Yxy	35.2635, 0.2755, 0.1907
Android (android.graphics.Color)	4291723007 (0xFFCE7EFF)
YUV	164.6260, 44.5544, 36.2850
Hunter-Lab	59.3831, 49.2742, -57.0053

Details

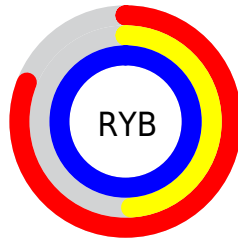
The XYZ color **50.9645, 35.2635, 98.7282** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **57.2055, 82.1405, 32.5796**, and the grayscale version is **35.3780, 37.2204, 40.5331**.

A 20% lighter version of the original color is **75.8139, 61.5277, 102.4880**, and **24.9700, 15.2319, 55.0501** is the 20% darker color. If you saturate the color by 10%, you get **45.5032, 28.2096, 97.6545**, and if you desaturate by 10%, it is **57.4248, 44.0672, 100.0869**.

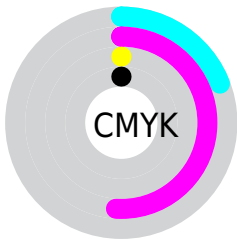
Distribution



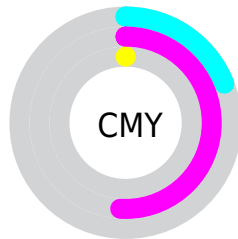
- Red (81%)
- Green (49%)
- Blue (100%)



- Red (81%)
- Yellow (49%)
- Blue (100%)



- Cyan (19%)
- Magenta (51%)
- Yellow (0%)
- Black (0%)





- Cyan (19%)
- Magenta (51%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.9645, 35.2635, 98.7282 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 50.9645, 35.2635, 98.7282 by changing the saturation by 10% instead.


 50.9645, 35.2635,
98.7282

 50.9645, 35.2635,
98.7282

380.8158,
325.7299, 577.3192


 36.4013, 23.8659,
74.6279


 90.7856, 67.8938,
161.4449

 24.9158, 15.2342,
54.8082


 116.7742, 89.8953,
200.8984

 16.1427, 8.9839,
38.8506


 147.3020,
116.2002, 246.3067

 9.7167, 4.7307,
26.3366

182.7342,
147.1929, 298.0884

 5.2724, 2.0901,
16.8476

223.4364,
183.2578, 356.6619

 2.4443, 0.6591,
9.9651

269.7738,

 0.8673, 0.0000,

224.7794, 422.4459

5.2705

322.1118,
272.1419, 495.8588

■ 0.0000, 0.0000,
2.3453

■ 0.0000, 0.0000,
0.7565

■ 50.9645, 35.2635,
98.7282

■ 50.9645, 35.2635,
98.7282

■ 45.5032, 28.2096,
97.6545

■ 57.4248, 44.0672,
100.0869

■ 40.9698, 22.7710,
96.8436

■ 64.9411, 54.7335,
101.7496

■ 37.2886, 18.7997,
96.2711

■ 73.5697, 67.3702,
103.7339

■ 34.3680, 16.1173,
95.9073

■ 83.3620, 82.0756,
106.0563

■ 32.1786, 14.5036,
95.7112

94.3657, 98.9413,
108.7317

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.



39.4506, 35.2635, 131.6250



50.9645, 35.2635, 98.7282



58.4741, 35.2635, 55.8472

Triad

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



50.9645, 35.2635, 98.7282



39.1568, 35.2635, 4.5287



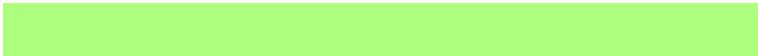
16.9600, 35.2635, 56.8242

Complementary

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



50.9645, 35.2635, 98.7282



57.2055, 82.1405, 32.5796

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.



16.9151, 35.2635, 25.0212



50.9645, 35.2635, 98.7282



28.2101, 35.2635, 4.5777

Square

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



50.9645, 35.2635, 98.7282



50.7092, 35.2635, 9.3829



20.5893, 35.2635, 9.6011



20.7294, 35.2635, 99.7714

Rectangle

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



50.9645, 35.2635, 98.7282



59.3390, 35.2635, 32.9938



20.5893, 35.2635, 9.6011



16.5415, 35.2635, 44.3577

Sweetspot

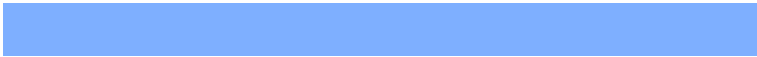
The Sweet Spot groups the original color and five complimentary colors.



50.9657, 35.2649, 98.7284



78.8939, 75.3248, 104.9887



42.0729, 42.4922, 100.5921



16.4473, 15.4637, 22.3679



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.



50.9657, 35.2649, 98.7284



45.2980, 27.9538, 97.6159



64.4221, 42.4710, 87.2018



18.0851, 17.9356, 22.7587



16.9854, 7.6668, 50.0192



1.7754, 0.8092, 4.8759

Inverse Universe

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



56.4393, 39.2778, 45.1645



51.9621, 32.7562, 36.1727



49.1764, 77.8806, 37.6607



18.2948, 18.1012, 20.1697



22.7396, 11.5851, 7.2791



2.2652, 1.1485, 0.9782

Previews

White Background



This preview shows how the XYZ color 50.9645, 35.2635, 98.7282 looks on a white background.

Color Contrast Check

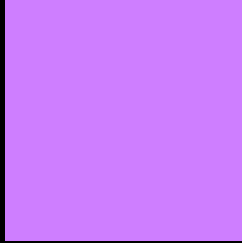
Large Text (above 18pt) WCAG AA × Fail

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 50.9645, 35.2635, 98.7282 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 50.9645, 35.2635, 98.7282

Background



This preview shows how black text looks on a background with the XYZ color 50.9645, 35.2635, 98.7282.



This preview shows how white text looks on a background with the XYZ color 50.9645, 35.2635,

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

50.9645, 35.2635, 98.7282

Protanopia

38.1330, 35.4715, 99.4446

Deuteranopia

36.5843, 35.5638, 93.7432



Tritanopia

38.6663, 35.1445, 38.4638

Trichromacy



Original Color

50.9645, 35.2635, 98.7282



Protanomaly

41.4658, 34.5501, 99.0911



Deuteranomaly

40.2152, 34.4407, 95.7949

Tritanomaly

42.1402, 34.7256, 56.1115

Monochromacy



Original Color

50.9645, 35.2635, 98.7282



Achromatopsia

35.7637, 37.6262, 40.9749



Achromatomaly

40.0820, 35.9137, 58.2456

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.9645, 35.2635, 98.7282 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(206, 126, 255)` looks like.

```
.text, #text, p{  
    color:rgb(206, 126, 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(206, 126, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 126, 255) }
```

Border

The CSS property to change the border of an element to XYZ 50.9645, 35.2635, 98.7282 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(206, 126, 255) }
```


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

```
.border{ border-color:rgb(206, 126, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 126, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 126, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 126, 255);  
box-shadow:4px 4px 4px 4px rgb(206, 126,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 50.9645, 35.2635, 98.7282 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 126, 255) }
```

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

```
.background{ background-color: rgb(206,  
126, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor