

Converting Colors

XYZ(48.3331, 35.4086, 98.8948)

Have a look what the booklet for
XYZ(48.3331, 35.4086, 98.8948)
contains.

XYZ(48.3133, 35.4767, 98.9090)	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(48.3133, 35.4767,
98.9090)**

Conversions

Conversions Part 1

Format	Color
Hex	C086FF
RGB	192, 134, 255
RGB Percent	75%, 53%, 100%
CMY	0.2470, 0.4745, 0.0000
CMYK	0.25, 0.47, 0.00, 0.00
HSL	269°, 100%, 76%
HSV	269°, 47%, 100%
XYZ	48.3133, 35.4767, 98.9090
YIQ	165.1360, -4.2730, 49.9270

Conversions

Conversions Part 2

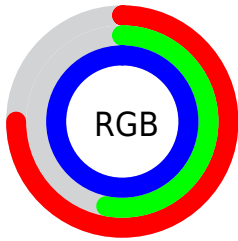
Format	Color
R_{YB}	192, 134, 255
Decimal	12617471
CIE _{Lab}	66.12, 45.08, -52.11
CIE _{LCh}	66, 68.905, 310.860
Yxy	35.4767, 0.2644, 0.1942
Android (android.graphics.Color)	4290807551 (0xFFC086FF)
YUV	165.1360, 44.3030, 23.5597
Hunter-Lab	59.5623, 40.5542, -56.7632

Details

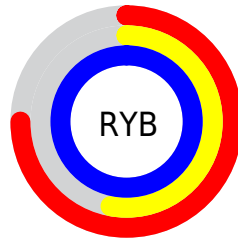
The XYZ color **48.3133, 35.4767, 98.9090** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **63.0895, 85.1118, 35.6586**, and the grayscale version is **35.6263, 37.4816, 40.8175**.

A 20% lighter version of the original color is **75.8169, 63.6957, 102.9063**, and **23.3637, 15.3460, 55.1568** is the 20% darker color. If you saturate the color by 10%, you get **41.9930, 27.6028, 97.7223**, and if you desaturate by 10%, it is **55.7889, 45.2088, 100.3935**.

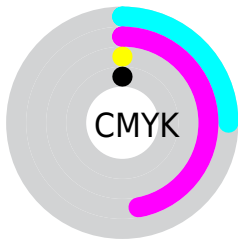
Distribution



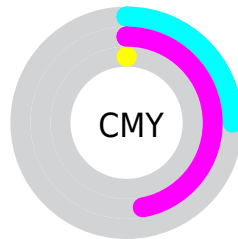
- Red (75%)
- Green (53%)
- Blue (100%)



- Red (75%)
- Yellow (53%)
- Blue (100%)



- Cyan (25%)
- Magenta (47%)
- Yellow (0%)
- Black (0%)





- Cyan (25%)
- Magenta (47%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.3133, 35.4767, 98.9090 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 48.3133, 35.4767, 98.9090 by changing the saturation by 10% instead.


 48.3133, 35.4767,
98.9090


 48.3133, 35.4767,
98.9090


370.5946,
326.6675, 577.9059


 34.2873, 24.0303,
74.7779

 86.8776, 68.2236,
161.6959

 23.2784, 15.3561,
54.9303


 112.1466, 90.2929,
201.1887

 14.9210, 9.0697,
38.9477


 141.8940,
116.6720, 246.6393

 8.8499, 4.7867,
26.4115

176.4852,
147.7452, 298.4660

 4.6997, 2.1226,
16.9032

216.2855,
183.8969, 357.0875

 2.1051, 0.6773,
10.0043

261.6602,

 0.6920, 0.0000,

225.5116, 422.9223

5.2962

312.9748,
272.9737, 496.3889

■ 0.0000, 0.0000,
2.3603

■ 0.0000, 0.0000,
0.7647

■ 48.3133, 35.4767,
98.9090

■ 48.3133, 35.4767,
98.9090

■ 41.9930, 27.6028,
97.7223

■ 55.7889, 45.2088,
100.3935

■ 36.7543, 21.4547,
96.8117

■ 64.4798, 56.9108,
102.1942

■ 32.5194, 16.8884,
96.1536

■ 74.4456, 70.6901,
104.3286

■ 29.1968, 13.7333,
95.7197

■ 85.7409, 86.6452,
106.8129

■ 26.6688, 11.7679, 95.0500, 100.0000,
95.4736 108.9000

■ 26.1091, 11.3746,
95.4272

Harmonies

Analogous

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



37.5677, 35.4767, 124.7076



48.3133, 35.4767, 98.9090



55.9549, 35.4767, 60.2271

Triad

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



48.3133, 35.4767, 98.9090



40.5971, 35.4767, 6.0901



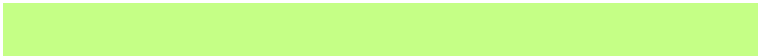
17.8414, 35.4767, 50.2587

Complementary

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



48.3133, 35.4767, 98.9090



63.0895, 85.1118, 35.6586

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.



18.3272, 35.4767, 22.9304



48.3133, 35.4767, 98.9090



30.1435, 35.4767, 5.4955

Square

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



48.3133, 35.4767, 98.9090



50.9137, 35.4767, 12.2322



22.4074, 35.4767, 9.7475



20.9110, 35.4767, 88.5195

Rectangle

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



48.3133, 35.4767, 98.9090



57.4914, 35.4767, 37.7874



22.4074, 35.4767, 9.7475



17.6131, 35.4767, 39.4812

Sweetspot

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



48.3146, 35.4780, 98.9092



78.1891, 75.9433, 105.1453



48.1987, 52.9218, 102.2823



16.2305, 15.5452, 22.3950



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.



48.3146, 35.4780, 98.9092



42.2534, 27.9187, 97.7696



66.3473, 44.7743, 99.7532



17.8315, 17.8049, 22.7468



13.8128, 6.0312, 49.8707



1.4702, 0.6518, 4.8616

Inverse Universe

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



59.8437, 42.3425, 57.8426



55.5698, 35.8531, 50.0716



50.5507, 78.6477, 35.0718



18.4044, 18.1451, 20.7466



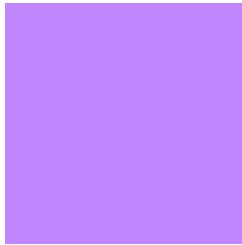
23.8285, 12.0207, 13.0133



2.3753, 1.1925, 1.5579

Previews

White Background



This preview shows how the XYZ color 48.3133, 35.4767, 98.9090 looks on a white background.

Color Contrast Check

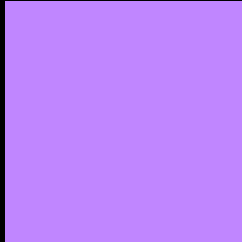
Large Text (above 18pt) WCAG AA × Fail

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 48.3133, 35.4767, 98.9090 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

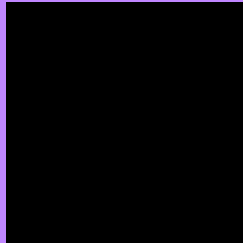
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.3133, 35.4767, 98.9090

Background



This preview shows how black text looks on a background with the XYZ color 48.3133, 35.4767, 98.9090.



This preview shows how white text looks on a background with the XYZ color 48.3133, 35.4767,

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

48.3133, 35.4767, 98.9090

Protanopia

38.4452, 35.8847, 99.5079

Deuteranopia

37.0704, 36.0367, 95.4444



Tritanopia

36.6009, 35.4628, 41.4751

Trichromacy



Original Color

48.3133, 35.4767, 98.9090

Protanomaly

41.0102, 35.0108, 99.2040

Deuteranomaly

39.9650, 35.0011, 96.7450

Tritanomaly

40.0339, 34.9360, 58.6661

Monochromacy



Original Color

48.3133, 35.4767, 98.9090

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

39.4278, 36.3024, 58.3551

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.3133, 35.4767, 98.9090 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(192, 134, 255)` looks like.

```
.text, #text, p{  
    color:rgb(192, 134, 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(192, 134, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 134, 255) }
```

Border

The CSS property to change the border of an element to XYZ 48.3133, 35.4767, 98.9090 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(192, 134, 255) }
```


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

```
.border{ border-color:rgb(192, 134, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 134, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 134, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 134, 255);  
box-shadow:4px 4px 4px 4px rgb(192, 134,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 48.3133, 35.4767, 98.9090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 134, 255) }
```

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

```
.background{ background-color: rgb(192,  
134, 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