

Converting Colors

XYZ(49.4151, 66.4009, 39.1451)

Have a look what the booklet for
XYZ(49.4151, 66.4009, 39.1451)
contains.

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Color

**XYZ(49.4607, 66.4561,
39.0746)**

Conversions

Conversions Part 1

Format	Color
Hex	A7E596
RGB	167, 229, 150
RGB Percent	65%, 90%, 59%
CMY	0.3451, 0.1019, 0.4118
CMYK	0.27, 0.00, 0.34, 0.10
HSL	107°, 60%, 74%
HSV	107°, 34%, 90%
XYZ	49.4607, 66.4561, 39.0746
YIQ	201.4560, -11.5930, -37.7130

Conversions

Conversions Part 2

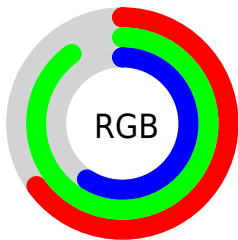
Format	Color
RYB	150, 229, 212
Decimal	11003286
CIELab	85.23, -34.16, 32.41
CIELCh	85, 47.085, 136.509
Yxy	66.4561, 0.3191, 0.4288
Android (android.graphics.Color)	4289193366 (0xFFA7E596)
YUV	201.4560, -25.3678, -30.2179
Hunter-Lab	81.5206, -34.3604, 28.6454

Details

The XYZ color **49.4607, 66.4561, 39.0746** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **52.2034, 41.4688, 79.3851**, and the grayscale version is **55.9597, 58.8740, 64.1138**.

A 20% lighter version of the original color is **77.5199, 91.7751, 71.3862**, and **23.9582, 34.2797, 16.9092** is the 20% darker color. If you saturate the color by 10%, you get **44.2576, 63.9684, 30.1280**, and if you desaturate by 10%, it is **55.5554, 69.3657, 49.9467**.

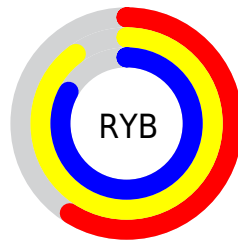
Distribution



Red (65%)

Green (90%)

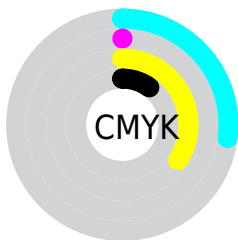
Blue (59%)



Red (59%)

Yellow (90%)

Blue (83%)

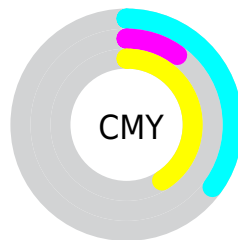


Cyan (27%)

Magenta (0%)

Yellow (34%)

Black (10%)



Cyan (35%)


Magenta (10%)


Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.4607, 66.4561, 39.0746 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 49.4607, 66.4561, 39.0746 by changing the saturation by 10% instead.


 49.4607, 66.4561,
39.0746


 49.4607, 66.4561,
39.0746


375.0401,
448.0063, 357.6430

 35.2011, 48.6427,
26.5095


 88.5719, 114.1407,
74.9739

 23.9851, 34.3362,
16.9760

 114.1543,
144.7808, 99.1451

 15.4472, 23.1520,
10.0556


144.2416,
180.4652, 128.0221

 9.2222, 14.7058,
5.3298

179.1992,
221.5783, 162.0235

 4.9447, 8.6131,
2.3799

219.3926,
268.5046, 201.5677

 2.2493, 4.4897,
0.7755

265.1869,

 0.7685, 1.9511,

321.6284, 247.0733

0.0000

316.9476,
381.3342, 298.9589

0.0000, 0.5788,
0.0000

0.0000, 0.0000,
0.0000

49.4607, 66.4561,
39.0746

49.4607, 66.4561,
39.0746

44.2576, 63.9684,
30.1280

55.5554, 69.3657,
49.9467

39.8981, 61.8745,
22.9905

62.5763, 72.7069,
62.8430

36.3377, 60.1560,
17.5399

70.5623, 76.4998,
77.8604

33.5252, 58.7896,
13.6372

79.5488, 80.7605,
95.0887

■ 31.4030, 57.7490,
11.1209

■ 87.3106, 84.5213,
106.3202

■ 29.9040, 57.0041,
9.7942

■ 29.3005, 56.7011,
9.4001

Harmonies

Analogous

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



57.5302, 66.4561, 29.4820



49.4607, 66.4561, 39.0746



45.2939, 66.4561, 59.5390

Triad

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



49.4607, 66.4561, 39.0746



58.5132, 66.4561, 145.5512



84.8683, 66.4561, 56.9611

Complementary

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



49.4607, 66.4561, 39.0746



52.2034, 41.4688, 79.3851

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.



85.2081, 66.4561, 86.8995



49.4607, 66.4561, 39.0746



69.1552, 66.4561, 144.2829

Square

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



49.4607, 66.4561, 39.0746



50.1105, 66.4561, 123.7032



79.1911, 66.4561, 120.6112



78.3090, 66.4561, 37.6461

Rectangle

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



49.4607, 66.4561, 39.0746



44.9484, 66.4561, 79.2030



79.1911, 66.4561, 120.6112



85.7371, 66.4561, 65.9218

Sweetspot

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



49.4624, 66.4589, 39.0761



84.2294, 94.8650, 88.3667



61.3352, 65.8917, 38.3408



17.7250, 20.1608, 18.3449



0.0000, 0.0000, 0.0000



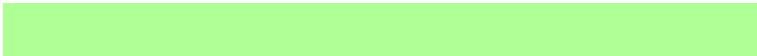
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



49.4624, 66.4589, 39.0761



58.5229, 82.6146, 41.9062



48.0823, 65.5189, 49.3368



14.4778, 16.2378, 15.2756



16.8345, 32.4600, 5.3781



1.3215, 2.4386, 0.4011

Inverse Universe

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



52.2034, 41.4688, 79.3851



62.4710, 46.4169, 100.2745



54.4375, 42.9587, 64.2114



14.6757, 14.4506, 18.1601



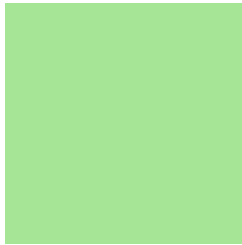
18.9171, 8.8180, 43.0882



1.4736, 0.6907, 3.1876

Previews

White Background



This preview shows how the XYZ color 49.4607, 66.4561, 39.0746 looks on a white background.

Color Contrast Check

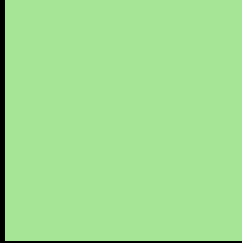
Large Text (above 18pt) WCAG AA × Fail

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 49.4607, 66.4561, 39.0746 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 49.4607, 66.4561, 39.0746

Background



This preview shows how black text looks on a background with the XYZ color 49.4607, 66.4561, 39.0746.



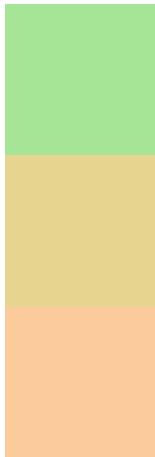
This preview shows how white text looks on a background with the XYZ color 49.4607, 66.4561,

39.0746.

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

49.4607, 66.4561, 39.0746

Protanopia

61.1345, 65.8931, 35.4831

Deuteranopia

67.1403, 65.6214, 40.5800



Tritanopia

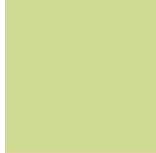
59.2678, 66.0227, 88.9768

Trichromacy



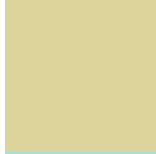
Original Color

49.4607, 66.4561, 39.0746



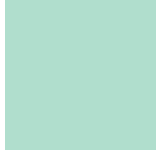
Protanomaly

55.9918, 65.4835, 36.8826



Deuteranomaly

58.8914, 64.6357, 39.9439



Tritanomaly

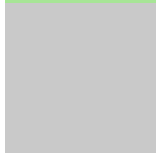
55.0452, 65.8804, 67.5726

Monochromacy



Original Color

49.4607, 66.4561, 39.0746



Achromatopsia

55.5167, 58.4078, 63.6061



Achromatomaly

52.7240, 60.7847, 53.2097

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.4607, 66.4561, 39.0746 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(167, 229, 150)` looks like.

```
.text, #text, p{  
    color:rgb(167, 229, 150)  
}
```

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(167, 229, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 229, 150) }
```

Border

The CSS property to change the border of an element to XYZ 49.4607, 66.4561, 39.0746 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(167, 229, 150) }
```


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

```
.border{ border-color:rgb(167, 229, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 229, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 229, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 229, 150);  
box-shadow:4px 4px 4px 4px rgb(167, 229,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 49.4607, 66.4561, 39.0746 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 229, 150) }
```

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

```
.background{ background-color: rgb(167,  
229, 150) }
```

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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