

Converting Colors

XYZ(50.5349, 74.9681, 49.7544)

Have a look what the booklet for
XYZ(50.5349, 74.9681, 49.7544)
contains.

XYZ(50.6546, 75.1054, 49.8572)	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(50.6546, 75.1054,
49.8572)**

Conversions

Conversions Part 1

Format	Color
Hex	86F8AA
RGB	134, 248, 170
RGB Percent	53%, 97%, 67%
CMY	0.4745, 0.0274, 0.3333
CMYK	0.46, 0.00, 0.31, 0.03
HSL	139°, 89%, 75%
HSV	139°, 46%, 97%
XYZ	50.6546, 75.1054, 49.8572
YIQ	205.0220, -42.9060, -48.4260

Conversions

Conversions Part 2

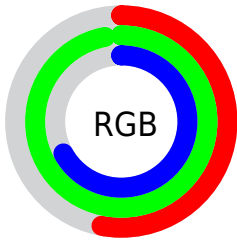
Format	Color
RYB	134, 221, 248
Decimal	8845482
CIELab	89.44, -49.11, 27.64
CIELCh	89, 56.357, 150.626
Yxy	75.1054, 0.2884, 0.4277
Android (android.graphics.Color)	4287035562 (0xFF86F8AA)
YUV	205.0220, -17.2658, -62.2863
Hunter-Lab	86.6634, -47.3279, 26.5550

Details

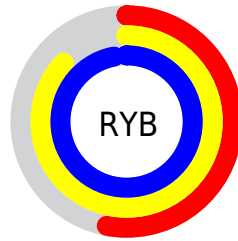
The XYZ color **50.6546, 75.1054, 49.8572** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **59.1226, 41.7617, 67.2348**, and the grayscale version is **58.1698, 61.1992, 66.6459**.

A 20% lighter version of the original color is **71.2257, 88.2175, 85.2252**, and **24.7433, 40.0418, 23.2544** is the 20% darker color. If you saturate the color by 10%, you get **45.6528, 72.7027, 41.7784**, and if you desaturate by 10%, it is **56.7943, 78.0750, 59.0741**.

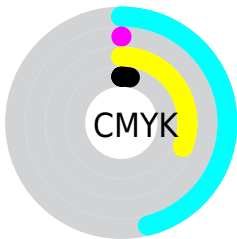
Distribution



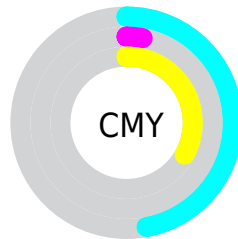
- Red (53%)
- Green (97%)
- Blue (67%)



- Red (53%)
- Yellow (87%)
- Blue (97%)



- Cyan (46%)
- Magenta (0%)
- Yellow (31%)
- Black (3%)





- Cyan (47%)
- Magenta (3%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.6546, 75.1054, 49.8572 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 50.6546, 75.1054, 49.8572 by changing the saturation by 10% instead.


 50.6546, 75.1054,
49.8572


 50.6546, 75.1054,
49.8572

379.6301,
478.2798, 402.8263


 36.1537, 55.6992,
34.9296


 90.3300, 126.4615,
91.3574

 24.7236, 39.9618,
23.3255


 116.2353,
159.1803, 118.7670

 15.9989, 27.5088,
14.6265


 146.6728,
197.1054, 151.1744

 9.6142, 17.9557,
8.4140

182.0078,
240.6213, 188.9980

 5.2042, 10.9182,
4.2694

222.6056,
290.1122, 232.6565

 2.4036, 6.0119,
1.7743

268.8318,

 0.8469, 2.8523,

345.9627, 282.5684

0.4109

321.0515,
408.5571, 339.1521

0.0000, 1.0551,
0.0000

0.0000, 0.0000,
0.0000

50.6546, 75.1054,
49.8572

50.6546, 75.1054,
49.8572

45.6528, 72.7027,
41.7784

56.7943, 78.0750,
59.0741

41.7095, 70.8204,
34.7881


64.1328, 81.6358,
69.4661


38.7438, 69.4201,
28.8404

72.7338, 85.8217,
81.0747

36.6598, 68.4533,
23.8841

82.6543, 90.6614,
93.9378

 35.3400, 67.8606,
19.8631

 92.8341, 95.6078,
108.0395

 34.9553, 67.6923,
18.4909

 92.8588, 95.6176,
108.1696

Harmonies

Analogous

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



58.6939, 75.1054, 32.2381



50.6546, 75.1054, 49.8572



47.9879, 75.1054, 82.6105

Triad

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



50.6546, 75.1054, 49.8572



71.6759, 75.1054, 183.8349



96.7618, 75.1054, 48.8299

Complementary

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



50.6546, 75.1054, 49.8572



59.1226, 41.7617, 67.2348

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.



101.3679, 75.1054, 80.9492



50.6546, 75.1054, 49.8572



85.7861, 75.1054, 166.2319

Square

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



50.6546, 75.1054, 49.8572



59.1359, 75.1054, 167.5684



97.1175, 75.1054, 125.0419



85.2195, 75.1054, 31.7936

Rectangle

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



50.6546, 75.1054, 49.8572



49.3048, 75.1054, 111.5997



97.1175, 75.1054, 125.0419



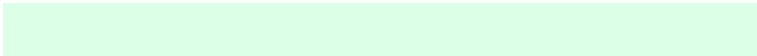
99.2346, 75.1054, 57.8055

Sweetspot

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



50.6566, 75.1085, 49.8589



79.4274, 92.3721, 88.9292



65.5463, 83.1256, 35.1451



16.5393, 19.5465, 18.4266



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.



50.6566, 75.1085, 49.8589



49.0588, 77.6525, 45.2214



57.0191, 77.6535, 83.3636



17.2432, 19.3995, 19.4812



18.9379, 36.5882, 10.2823



1.7998, 3.4070, 1.1936

Inverse Universe

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



59.1226, 41.7617, 67.2348



59.0639, 38.1532, 65.6895



53.3073, 39.4356, 36.6121



17.7461, 17.4258, 20.5187



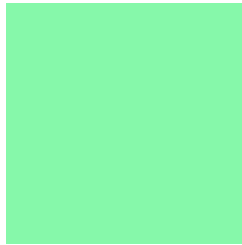
24.8818, 12.3684, 21.8836



2.3525, 1.1647, 2.2795

Previews

White Background



This preview shows how the XYZ color 50.6546, 75.1054, 49.8572 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 50.6546, 75.1054, 49.8572 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 50.6546, 75.1054, 49.8572

Background



This preview shows how black text looks on a background with the XYZ color 50.6546, 75.1054, 49.8572.



This preview shows how white text looks on a background with the XYZ color 50.6546, 75.1054,

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

50.6546, 75.1054, 49.8572

Protanopia

68.9213, 73.9793, 43.4478

Deuteranopia

74.6588, 73.9169, 56.7868



Tritanopia

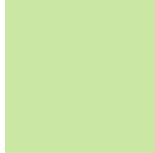
62.4347, 75.0575, 105.8046

Trichromacy



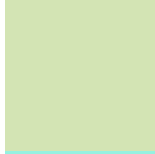
Original Color

50.6546, 75.1054, 49.8572



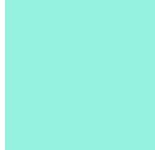
Protanomaly

59.8246, 72.9141, 45.5711



Deuteranomaly

62.8456, 72.6310, 53.8869



Tritanomaly

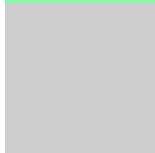
57.3043, 74.6820, 81.9158

Monochromacy



Original Color

50.6546, 75.1054, 49.8572



Achromatopsia

58.0276, 61.0496, 66.4830



Achromatomaly

53.9613, 65.1024, 59.5911

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.6546, 75.1054, 49.8572 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(134, 248, 170)` looks like.

```
.text, #text, p{  
    color:rgb(134, 248, 170)  
}
```

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(134, 248, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 248, 170) }
```

Border

The CSS property to change the border of an element to XYZ 50.6546, 75.1054, 49.8572 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(134, 248, 170) }
```


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

```
.border{ border-color:rgb(134, 248, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 248, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 248, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 248, 170);  
box-shadow:4px 4px 4px 4px rgb(134, 248,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 50.6546, 75.1054, 49.8572 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 248, 170) }
```

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

```
.background{ background-color: rgb(134,  
248, 170) }
```

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