

Converting Colors

XYZ(50.5935, 78.6605, 35.4935)

Have a look what the booklet for
XYZ(50.5935, 78.6605, 35.4935)
contains.

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Color

**XYZ(50.6144, 78.6725,
35.4393)**

Conversions

Conversions Part 1

Format	Color
Hex	8AFF87
RGB	138, 255, 135
RGB Percent	54%, 100%, 53%
CMY	0.4588, 0.0000, 0.4706
CMYK	0.46, 0.00, 0.47, 0.00
HSL	119°, 100%, 76%
HSV	119°, 47%, 100%
XYZ	50.6144, 78.6725, 35.4393
YIQ	206.3370, -31.2120, -62.1240

Conversions

Conversions Part 2

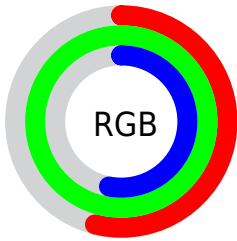
Format	Color
RYB	135, 255, 252
Decimal	9109383
CIELab	91.09, -56.30, 47.06
CIElCh	91, 73.378, 140.112
Yxy	78.6725, 0.3073, 0.4776
Android (android.graphics.Color)	4287299463 (0xFF8AFF87)
YUV	206.3370, -35.1691, -59.9315
Hunter-Lab	88.6975, -53.3613, 38.3988

Details

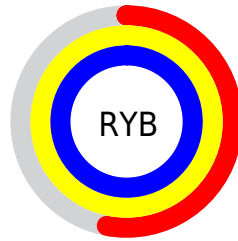
The XYZ color **50.6144, 78.6725, 35.4393** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **66.8601, 45.2447, 99.8169**, and the grayscale version is **59.1148, 62.1934, 67.7286**.

A 20% lighter version of the original color is **68.0802, 87.1080, 61.9405**, and **24.6311, 42.1614, 14.8224** is the 20% darker color. If you saturate the color by 10%, you get **45.3753, 76.1549, 26.9183**, and if you desaturate by 10%, it is **57.2257, 81.8479, 46.2711**.

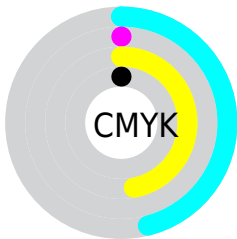
Distribution



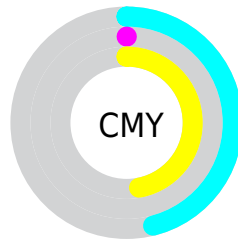
- Red (54%)
- Green (100%)
- Blue (53%)



- Red (53%)
- Yellow (100%)
- Blue (99%)



- Cyan (46%)
- Magenta (0%)
- Yellow (47%)
- Black (0%)



- Cyan (46%)
- Magenta (0%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.6144, 78.6725, 35.4393 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 50.6144, 78.6725, 35.4393 by changing the saturation by 10% instead.

 50.6144, 78.6725,
35.4393


 50.6144, 78.6725,
35.4393


379.4762,
490.4477, 341.4661


 36.1216, 58.6266,
23.7152


 90.2709, 131.4977,
69.3250

 24.6987, 42.3126,
14.9123


 116.1654,
165.0458, 92.3238

 15.9802, 29.3461,
8.6119


 146.5911,
203.8634, 119.9178

 9.6009, 19.3428,
4.3956

181.9134,
248.3349, 152.5256

 5.1954, 11.9183,
1.8448

222.4978,
298.8446, 190.5658

 2.3983, 6.6880,
0.4572

268.7094,

 0.8443, 3.2678,

355.7771, 234.4570

0.0000

320.9138,
419.5167, 284.6176

0.0000, 1.2731,
0.0000

0.0000, 0.1202,
0.0000

50.6144, 78.6725,
35.4393

50.6144, 78.6725,
35.4393

45.3753, 76.1549,
26.9183

57.2257, 81.8479,
46.2711

41.4110, 74.2483,
20.5369

65.2951, 85.7220,
59.5608

38.6129, 72.9010,
16.1066

74.9028, 90.3333,
75.4476

36.8543, 72.0524,
13.4042

86.1230, 95.7172,
94.0593

■ 35.9774, 71.6273, 95.0500, 100.0000,
12.1447 108.9000

■ 35.8397, 71.5611,
11.9237

Harmonies

Analogous

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



63.1712, 78.6725, 21.0949



50.6144, 78.6725, 35.4393



44.8585, 78.6725, 69.2927

Triad

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



50.6144, 78.6725, 35.4393



68.8178, 78.6725, 230.8125



113.5108, 78.6725, 55.1221

Complementary

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



50.6144, 78.6725, 35.4393



66.8601, 45.2447, 99.8169

Split Complementary

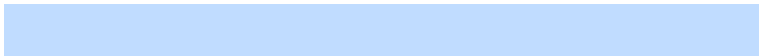
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



115.6974, 78.6725, 104.4230



50.6144, 78.6725, 35.4393



87.7212, 78.6725, 221.8099

Square

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



50.6144, 78.6725, 35.4393



54.1586, 78.6725, 190.3555



105.6129, 78.6725, 169.2683



100.0560, 78.6725, 28.7627

Rectangle

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



50.6144, 78.6725, 35.4393



44.8758, 78.6725, 104.8739



105.6129, 78.6725, 169.2683



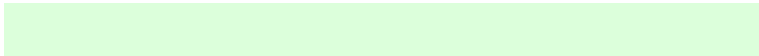
115.6649, 78.6725, 68.9507

Sweetspot

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



50.6148, 78.6727, 35.4405



78.1590, 91.8959, 80.8434



80.1106, 92.0038, 36.4591



16.2340, 19.4319, 16.4831



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.



50.6148, 78.6727, 35.4405



45.8674, 76.3914, 27.7152



55.1564, 80.4328, 61.9093



17.8135, 20.1898, 19.1025



18.7452, 37.4016, 6.2313



1.8393, 3.6489, 0.6074

Inverse Universe

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



66.8601, 45.2447, 99.8169



63.8059, 39.4422, 98.8579



60.2134, 42.7124, 59.1045



18.7452, 18.2759, 22.7896



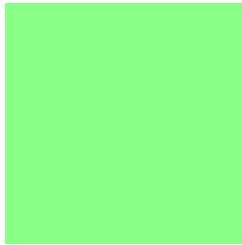
29.7961, 14.2709, 50.6187



2.9148, 1.3966, 4.9292

Previews

White Background



This preview shows how the XYZ color 50.6144, 78.6725, 35.4393 looks on a white background.

Color Contrast Check

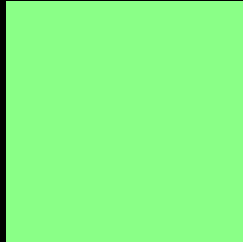
Large Text (above 18pt) WCAG AA × Fail

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 50.6144, 78.6725, 35.4393 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 50.6144, 78.6725, 35.4393

Background



This preview shows how black text looks on a background with the XYZ color 50.6144, 78.6725, 35.4393.



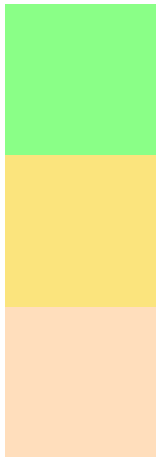
This preview shows how white text looks on a background with the XYZ color 50.6144, 78.6725,

35.4393.

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

50.6144, 78.6725, 35.4393

Protanopia

71.2287, 77.4767, 30.6024

Deuteranopia

76.4384, 77.1334, 58.4364



Tritanopia

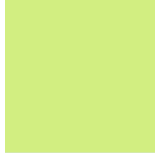
67.0480, 78.3001, 106.1874

Trichromacy



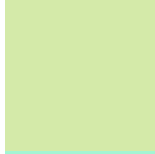
Original Color

50.6144, 78.6725, 35.4393



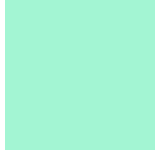
Protanomaly

61.1153, 76.4357, 32.3013



Deuteranomaly

63.7356, 75.7073, 48.7899



Tritanomaly

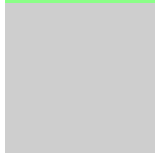
59.5145, 77.7945, 73.5071

Monochromacy



Original Color

50.6144, 78.6725, 35.4393



Achromatopsia

58.6655, 61.7207, 67.2138



Achromatomaly

53.9499, 66.4304, 53.1589

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.6144, 78.6725, 35.4393 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(138, 255, 135)` looks like.

```
.text, #text, p{  
    color:rgb(138, 255, 135)  
}
```

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(138, 255, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 255, 135) }
```

Border

The CSS property to change the border of an element to XYZ 50.6144, 78.6725, 35.4393 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(138, 255, 135) }
```


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

```
.border{ border-color:rgb(138, 255, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 255, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 255, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 255, 135);  
box-shadow:4px 4px 4px 4px rgb(138, 255,  
135) }
```

Background

The CSS property to change the background color of an element to XYZ 50.6144, 78.6725, 35.4393 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 255, 135) }
```

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

```
.background{ background-color: rgb(138,  
255, 135) }
```

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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