

Converting Colors

XYZ(53.9920, 85.5668, 31.8148)

Have a look what the booklet for
XYZ(53.9920, 85.5668, 31.8148)
contains.

XYZ(50.5389, 78.7401, 30.6238)	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(50.5389, 78.7401,
30.6238)**

Conversions

Conversions Part 1

Format	Color
Hex	8FFF79
RGB	143, 255, 121
RGB Percent	56%, 100%, 47%
CMY	0.4392, 0.0000, 0.5255
CMYK	0.44, 0.00, 0.53, 0.00
HSL	110°, 100%, 74%
HSV	110°, 53%, 100%
XYZ	50.5389, 78.7401, 30.6238
YIQ	206.2360, -23.7380, -65.4180

Conversions

Conversions Part 2

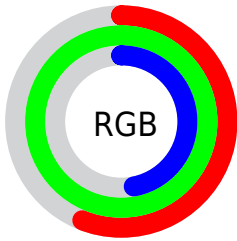
Format	Color
RYB	121, 255, 233
Decimal	9437049
CIELab	91.12, -56.64, 53.65
CIElCh	91, 78.011, 136.554
Yxy	78.7401, 0.3161, 0.4924
Android (android.graphics.Color)	4287627129 (0xFF8FFF79)
YUV	206.2360, -42.0213, -55.4580
Hunter-Lab	88.7356, -53.6236, 41.6532

Details

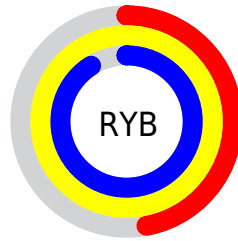
The XYZ color **50.5389, 78.7401, 30.6238** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **58.4930, 38.2197, 98.9020**, and the grayscale version is **59.0891, 62.1664, 67.6992**.

A 20% lighter version of the original color is **67.9536, 87.2111, 54.3262**, and **24.5467, 42.1768, 12.1574** is the 20% darker color. If you saturate the color by 10%, you get **45.8303, 76.4702, 23.2916**, and if you desaturate by 10%, it is **56.3624, 81.5371, 40.1676**.

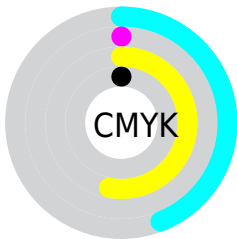
Distribution



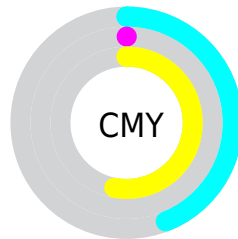
- Red (56%)
- Green (100%)
- Blue (47%)



- Red (47%)
- Yellow (100%)
- Blue (91%)



- Cyan (44%)
- Magenta (0%)
- Yellow (53%)
- Black (0%)




- Cyan (44%)
- Magenta (0%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.5389, 78.7401, 30.6238 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 50.5389, 78.7401, 30.6238 by changing the saturation by 10% instead.

 50.5389, 78.7401,
30.6238

 50.5389, 78.7401,
30.6238


379.1869,
490.6767, 319.0988


 36.0613, 58.6821,
20.0565


 90.1599, 131.5929,
61.7199

 24.6519, 42.3573,
12.2516


 116.0340,
165.1566, 83.0858

 15.9452, 29.3812,
6.7907


 146.4377,
203.9909, 108.8883

 9.5760, 19.3694,
3.2551

181.7363,
248.4803, 139.5459

 5.1789, 11.9375,
1.2263

222.2951,
299.0092, 175.4773

 2.3884, 6.7011,
0.0002

268.4796,

 0.8393, 3.2759,

355.9620, 217.1008

0.0000

320.6551,
419.7230, 264.8351

0.0000, 1.2774,
0.0000

0.0000, 0.1236,
0.0000

50.5389, 78.7401,
30.6238

50.5389, 78.7401,
30.6238

45.8303, 76.4702,
23.2916

56.3624, 81.5371,
40.1676

42.1625, 74.6929,
17.9899

63.3663, 84.8913,
52.0774

39.4535, 73.3705,
14.5153

71.6119, 88.8314,
66.4982

37.6077, 72.4590,
12.6201

81.1560, 93.3838,
83.5621

■ 36.7092, 72.0093,
11.9644

■ 92.0520, 98.5733,
103.3920

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.



64.5439, 78.7401, 18.0692



50.5389, 78.7401, 30.6238



43.6758, 78.7401, 62.8714

Triad

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



50.5389, 78.7401, 30.6238



66.3609, 78.7401, 240.7537



117.4101, 78.7401, 58.3566

Complementary

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



50.5389, 78.7401, 30.6238



58.4930, 38.2197, 98.9020

Split Complementary

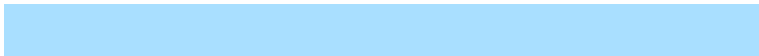
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



118.1303, 78.7401, 113.5607



50.5389, 78.7401, 30.6238



86.1769, 78.7401, 237.7316

Square

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



50.5389, 78.7401, 30.6238



51.6667, 78.7401, 191.2734



105.8983, 78.7401, 184.2489



104.0756, 78.7401, 28.5742

Rectangle

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



50.5389, 78.7401, 30.6238



43.1250, 78.7401, 98.7417



105.8983, 78.7401, 184.2489



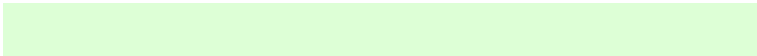
119.2073, 78.7401, 73.9230

Sweetspot

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



50.5392, 78.7403, 30.6250



77.7109, 91.7414, 77.3644



73.7362, 80.7302, 29.7865



16.2099, 19.4345, 15.8013



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.



50.5392, 78.7403, 30.6250



45.6425, 76.3794, 23.0093



50.4983, 78.3263, 48.3744



18.0493, 20.3113, 19.1135



19.2624, 37.6682, 6.2555



1.9504, 3.7062, 0.6126

Inverse Universe

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



58.4930, 38.2197, 98.9020



54.2782, 31.8846, 97.9013



59.7524, 39.6055, 65.6868



18.4827, 18.1406, 22.7773



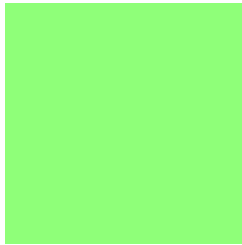
23.8995, 11.2311, 50.3428



2.4015, 1.1319, 4.9052

Previews

White Background



This preview shows how the XYZ color 50.5389, 78.7401, 30.6238 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 50.5389, 78.7401, 30.6238 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

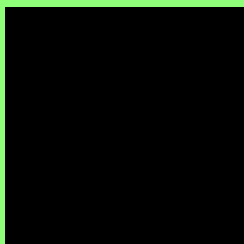
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

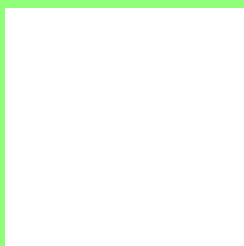
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.5389, 78.7401, 30.6238

Background



This preview shows how black text looks on a background with the XYZ color 50.5389, 78.7401, 30.6238.

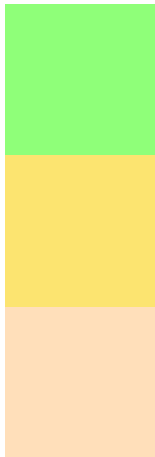


This preview shows how white text looks on a background with the XYZ color 50.5389, 78.7401,

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

50.5389, 78.7401, 30.6238

Protanopia

70.8129, 77.3521, 26.5274

Deuteranopia

76.4906, 77.5805, 57.3974



Tritanopia

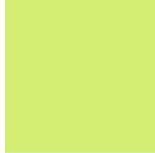
67.2149, 77.9528, 106.1115

Trichromacy



Original Color

50.5389, 78.7401, 30.6238



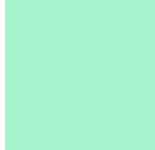
Protanomaly

60.8204, 76.3839, 27.7577



Deuteranomaly

63.9615, 76.3214, 45.5428



Tritanomaly

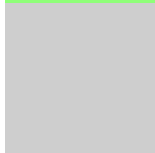
59.2171, 77.2646, 70.1850

Monochromacy



Original Color

50.5389, 78.7401, 30.6238



Achromatopsia

58.6655, 61.7207, 67.2138



Achromatomaly

53.9220, 66.4737, 50.5462

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.5389, 78.7401, 30.6238 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(143, 255, 121)` looks like.

```
.text, #text, p{  
    color:rgb(143, 255, 121)  
}
```

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(143, 255, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 255, 121) }
```

Border

The CSS property to change the border of an element to XYZ 50.5389, 78.7401, 30.6238 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(143, 255, 121) }
```


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

```
.border{ border-color:rgb(143, 255, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 255, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 255, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 255, 121);  
box-shadow:4px 4px 4px 4px rgb(143, 255,  
121) }
```

Background

The CSS property to change the background color of an element to XYZ 50.5389, 78.7401, 30.6238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 255, 121) }
```

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

```
.background{ background-color: rgb(143,  
255, 121) }
```

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