

Converting Colors

XYZ(60.9131, 100.0000,
42.3767)

Have a look what the booklet for
XYZ(60.9131, 100.0000, 42.3767)
contains.

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Color

**XYZ(50.1541, 78.3589,
38.8669)**

Conversions

Conversions Part 1

Format	Color
Hex	83FF90
RGB	131, 255, 144
RGB Percent	51%, 100%, 56%
CMY	0.4863, 0.0000, 0.4353
CMYK	0.49, 0.00, 0.44, 0.00
HSL	126°, 100%, 76%
HSV	126°, 49%, 100%
XYZ	50.1541, 78.3589, 38.8669
YIQ	205.2700, -38.2730, -60.8090

Conversions

Conversions Part 2

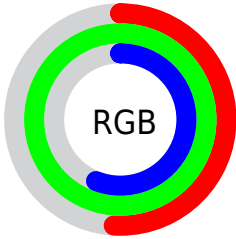
Format	Color
RYB	131, 243, 255
Decimal	8650640
CIELab	90.94, -56.92, 42.51
CIELCh	91, 71.044, 143.246
Yxy	78.3589, 0.2996, 0.4681
Android (android.graphics.Color)	4286840720 (0xFF83FF90)
YUV	205.2700, -30.2061, -65.1348
Hunter-Lab	88.5206, -53.7762, 35.9318

Details

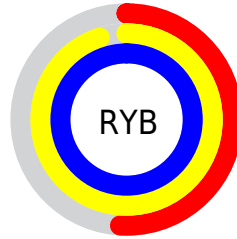
The XYZ color **50.1541, 78.3589, 38.8669** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **65.3832, 43.9036, 89.0312**, and the grayscale version is **58.4039, 61.4454, 66.9141**.

A 20% lighter version of the original color is **67.3040, 86.5907, 67.1992**, and **24.3523, 41.9704, 16.9428** is the 20% darker color. If you saturate the color by 10%, you get **45.1068, 75.9385, 30.4263**, and if you desaturate by 10%, it is **56.5268, 81.4217, 49.2132**.

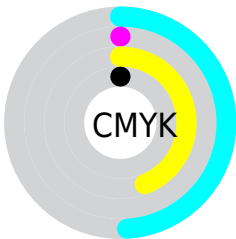
Distribution



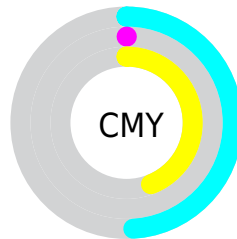
- Red (51%)
- Green (100%)
- Blue (56%)



- Red (51%)
- Yellow (95%)
- Blue (100%)



- Cyan (49%)
- Magenta (0%)
- Yellow (44%)
- Black (0%)





- Cyan (49%)
- Magenta (0%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.1541, 78.3589, 38.8669 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 50.1541, 78.3589, 38.8669 by changing the saturation by 10% instead.

 50.1541, 78.3589,
38.8669


 50.1541, 78.3589,
38.8669


377.7103,
489.3848, 356.7333


 35.7542, 58.3689,
26.3492


 89.5936, 131.0559,
74.6530

 24.4136, 42.1053,
16.8569


 115.3639,
164.5317, 98.7585

 15.7671, 29.1837,
9.9717


 145.6550,
203.2715, 127.5637

 9.4493, 19.2198,
5.2748

180.8323,
247.6598, 161.4870

 5.0948, 11.8292,
2.3478

221.2611,
298.0808, 200.9471

 2.3383, 6.6275,
0.7578

267.3068,

 0.8142, 3.2303,

354.9191, 246.3625

0.0000

319.3347,
418.5590, 298.1517

0.0000, 1.2531,
0.0000

0.0000, 0.1044,
0.0000

50.1541, 78.3589,
38.8669

50.1541, 78.3589,
38.8669

45.1068, 75.9385,
30.4263

56.5268, 81.4217,
49.2132

41.2896, 74.1140,
23.7715

64.3083, 85.1679,
61.5676

38.5964, 72.8334,
18.7751

73.5769, 89.6355,
76.0298

36.9024, 72.0355,
15.2911

84.4046, 94.8598,
92.6918

■ 36.0365, 71.6357, 95.0500, 100.0000,
13.1475 108.9000

■ 35.9548, 71.5979,
12.9458

Harmonies

Analogous

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



61.6965, 78.3589, 22.9986



50.1541, 78.3589, 38.8669



45.2479, 78.3589, 74.2391

Triad

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



50.1541, 78.3589, 38.8669



70.5010, 78.3589, 225.5095



110.8099, 78.3589, 52.0145

Complementary

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



50.1541, 78.3589, 38.8669



65.3832, 43.9036, 89.0312

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.



114.1754, 78.3589, 97.4511



50.1541, 78.3589, 38.8669



88.9125, 78.3589, 211.7998

Square

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



50.1541, 78.3589, 38.8669



55.7141, 78.3589, 191.2399



105.6154, 78.3589, 158.9836



97.0420, 78.3589, 28.1858

Rectangle

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



50.1541, 78.3589, 38.8669



45.7354, 78.3589, 109.9711



105.6154, 78.3589, 158.9836



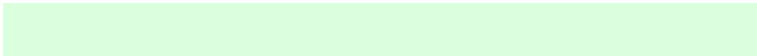
113.2774, 78.3589, 64.6581

Sweetspot

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



50.1545, 78.3591, 38.8681



77.3203, 91.4411, 81.8142



76.6811, 92.1423, 35.2169



16.0786, 19.3449, 16.7844



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.



50.1545, 78.3591, 38.8681



45.3861, 76.0723, 30.9018



56.1881, 80.7725, 70.6406



17.8490, 20.1991, 19.5076



18.8121, 37.4214, 6.8959



1.8560, 3.6533, 0.7993

Inverse Universe

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



65.3832, 43.9036, 89.0312



62.1609, 38.0574, 86.1126



57.6560, 40.8127, 48.3404



18.7058, 18.2656, 22.3336



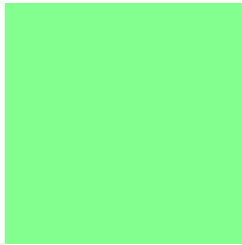
28.9182, 14.0566, 39.8155



2.8383, 1.3777, 3.9958

Previews

White Background



This preview shows how the XYZ color 50.1541, 78.3589, 38.8669 looks on a white background.

Color Contrast Check

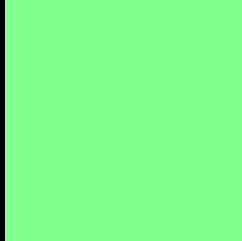
Large Text (above 18pt) WCAG AA × Fail

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 50.1541, 78.3589, 38.8669 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

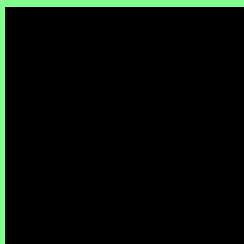
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.1541, 78.3589, 38.8669

Background



This preview shows how black text looks on a background with the XYZ color 50.1541, 78.3589, 38.8669.

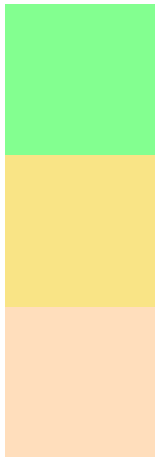


This preview shows how white text looks on a background with the XYZ color 50.1541, 78.3589,

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

50.1541, 78.3589, 38.8669

Protanopia

71.1134, 77.3478, 33.7358

Deuteranopia

76.4384, 77.1334, 58.4364



Tritanopia

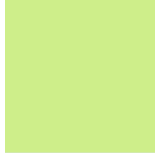
66.1501, 77.8372, 106.1454

Trichromacy



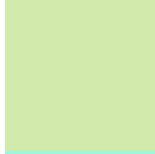
Original Color

50.1541, 78.3589, 38.8669



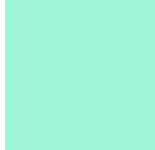
Protanomaly

60.6156, 76.1059, 35.5399



Deuteranomaly

63.4476, 75.5258, 50.2636



Tritanomaly

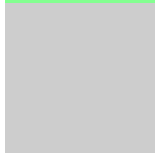
59.0187, 77.4802, 76.1345

Monochromacy



Original Color

50.1541, 78.3589, 38.8669



Achromatopsia

58.0276, 61.0496, 66.4830



Achromatomaly

53.2950, 65.6592, 54.6643

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.1541, 78.3589, 38.8669 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(131, 255, 144)` looks like.

```
.text, #text, p{  
    color:rgb(131, 255, 144)  
}
```

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(131, 255, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 255, 144) }
```

Border

The CSS property to change the border of an element to XYZ 50.1541, 78.3589, 38.8669 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(131, 255, 144) }
```


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

```
.border{ border-color:rgb(131, 255, 144) }
```

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

Here you see how a box with a 4 pixel rgb(131, 255, 144) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 255, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 255, 144);  
box-shadow:4px 4px 4px 4px rgb(131, 255,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 50.1541, 78.3589, 38.8669 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 255, 144) }
```

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

```
.background{ background-color: rgb(131,  
255, 144) }
```

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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