

Converting Colors

XYZ(56.7853, 90.1583, 38.7545)

Have a look what the booklet for
XYZ(56.7853, 90.1583, 38.7545)
contains.

XYZ(51.2354, 78.9595, 36.9664)	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(51.2354, 78.9595,
36.9664)**

Conversions

Conversions Part 1

Format	Color
Hex	8CFF8B
RGB	140, 255, 139
RGB Percent	55%, 100%, 55%
CMY	0.4510, 0.0000, 0.4549
CMYK	0.45, 0.00, 0.45, 0.00
HSL	119°, 100%, 77%
HSV	119°, 45%, 100%
XYZ	51.2354, 78.9595, 36.9664
YIQ	207.3910, -31.3040, -60.4560

Conversions

Conversions Part 2

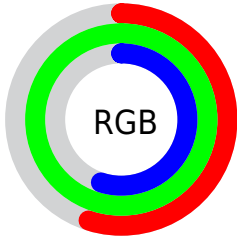
Format	Color
RYB	139, 255, 254
Decimal	9240459
CIELab	91.22, -55.21, 45.33
CIElCh	91, 71.439, 140.613
Yxy	78.9595, 0.3065, 0.4724
Android (android.graphics.Color)	4287430539 (0xFF8CFF8B)
YUV	207.3910, -33.7168, -59.1019
Hunter-Lab	88.8592, -52.5820, 37.5361

Details

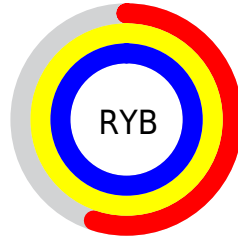
The XYZ color **51.2354, 78.9595, 36.9664** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **68.1569, 46.7574, 100.0406**, and the grayscale version is **59.7855, 62.8990, 68.4970**.

A 20% lighter version of the original color is **69.0508, 87.5572, 64.2998**, and **24.9542, 42.3099, 15.6555** is the 20% darker color. If you saturate the color by 10%, you get **45.8025, 76.3495, 28.0946**, and if you desaturate by 10%, it is **58.0821, 82.2481, 48.1749**.

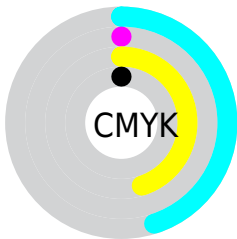
Distribution



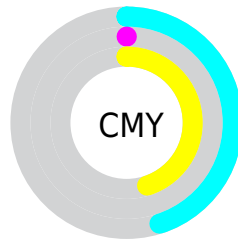
- Red (55%)
- Green (100%)
- Blue (55%)



- Red (55%)
- Yellow (100%)
- Blue (100%)



- Cyan (45%)
- Magenta (0%)
- Yellow (45%)
- Black (0%)




- Cyan (45%)
- Magenta (0%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.2354, 78.9595, 36.9664 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 51.2354, 78.9595, 36.9664 by changing the saturation by 10% instead.


 51.2354, 78.9595,
36.9664


 51.2354, 78.9595,
36.9664


381.8503,
491.4193, 348.3293


 36.6178, 58.8625,
24.8859


 91.1836, 131.9018,
71.7069

 25.0840, 42.5025,
15.7738


 117.2448,
165.5160, 95.2039

 16.2687, 29.4949,
9.2116


 147.8513,
204.4046, 123.3435

 9.8066, 19.4555,
4.7808

183.3685,
248.9522, 156.5443

 5.3322, 11.9999,
2.0627

224.1616,
299.5430, 195.2247

 2.4802, 6.7436,
0.5935

270.5960,

 0.8853, 3.3023,

356.5616, 239.8033

0.0000

323.0371,
420.3922, 290.6987

0.0000, 1.2915,
0.0000

0.0000, 0.1346,
0.0000

51.2354, 78.9595,
36.9664

51.2354, 78.9595,
36.9664

45.8025, 76.3495,
28.0946

58.0821, 82.2481,
48.1749

41.6837, 74.3703,
21.3911

66.4305, 86.2575,
61.8651

38.7681, 72.9687,
16.6712

76.3630, 91.0272,
78.1747

36.9261, 72.0826,
13.7176

87.9555, 96.5936,
97.2302

■ 35.9983, 71.6355, 95.0500, 100.0000,
12.2618 108.9000

■ 35.7875, 71.5342,
11.9213

Harmonies

Analogous

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



63.4507, 78.9595, 22.3564



51.2354, 78.9595, 36.9664



45.6816, 78.9595, 70.7189

Triad

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



51.2354, 78.9595, 36.9664



69.5138, 78.9595, 226.5753



112.5650, 78.9595, 55.4405

Complementary

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



51.2354, 78.9595, 36.9664



68.1569, 46.7574, 100.0406

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.



114.8896, 78.9595, 103.2776



51.2354, 78.9595, 36.9664



87.9802, 78.9595, 217.0830

Square

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



51.2354, 78.9595, 36.9664



55.0591, 78.9595, 188.3105



105.2893, 78.9595, 166.0022



99.3709, 78.9595, 29.6556

Rectangle

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



51.2354, 78.9595, 36.9664



45.7745, 78.9595, 105.6682



105.2893, 78.9595, 166.0022



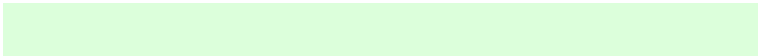
114.7180, 78.9595, 68.8919

Sweetspot

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



51.2358, 78.9597, 36.9676



77.9821, 91.8047, 80.8351



81.0468, 93.4169, 38.1869



16.1918, 19.4101, 16.4811



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

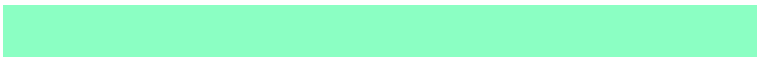
The Same Dimension uses a secret algorithm to generate beautiful new colors.



51.2358, 78.9597, 36.9676



46.0368, 76.4621, 28.4766



56.2660, 80.9525, 64.3301



17.7860, 20.1756, 19.1012



18.7060, 37.3814, 6.2294



1.8262, 3.6422, 0.6068

Inverse Universe

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



68.1569, 46.7574, 100.0406



64.9498, 40.4564, 98.9934



60.7743, 43.8466, 59.2533



18.7764, 18.2920, 22.7910



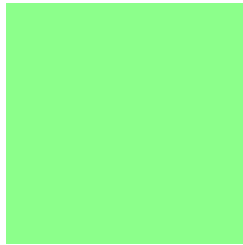
30.5682, 14.6689, 50.6549



2.9811, 1.4307, 4.9323

Previews

White Background



This preview shows how the XYZ color 51.2354, 78.9595, 36.9664 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 51.2354, 78.9595, 36.9664 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 51.2354, 78.9595, 36.9664

Background



This preview shows how black text looks on a background with the XYZ color 51.2354, 78.9595, 36.9664.



This preview shows how white text looks on a background with the XYZ color 51.2354, 78.9595,

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

51.2354, 78.9595, 36.9664

Protanopia

71.4895, 77.5810, 31.9756

Deuteranopia

76.8130, 77.7095, 59.0951



Tritanopia

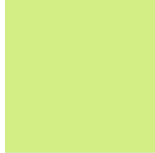
67.5069, 78.5367, 106.2089

Trichromacy



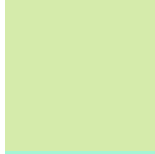
Original Color

51.2354, 78.9595, 36.9664



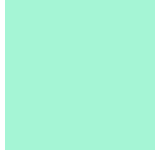
Protanomaly

61.6721, 76.6914, 33.7428



Deuteranomaly

64.4996, 76.5031, 49.8952



Tritanomaly

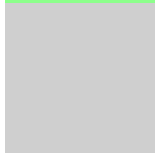
60.1797, 78.1082, 74.8554

Monochromacy



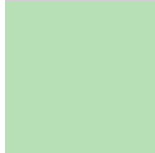
Original Color

51.2354, 78.9595, 36.9664



Achromatopsia

59.3074, 62.3960, 67.9493



Achromatomaly

54.6276, 66.7560, 54.2620

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.2354, 78.9595, 36.9664 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(140, 255, 139)` looks like.

```
.text, #text, p{  
    color:rgb(140, 255, 139)  
}
```

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(140, 255, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 255, 139) }
```

Border

The CSS property to change the border of an element to XYZ 51.2354, 78.9595, 36.9664 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(140, 255, 139) }
```


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

```
.border{ border-color:rgb(140, 255, 139) }
```

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

Here you see how a box with a 4 pixel rgb(140, 255, 139) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 255, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 255, 139);  
box-shadow:4px 4px 4px 4px rgb(140, 255,  
139) }
```

Background

The CSS property to change the background color of an element to XYZ 51.2354, 78.9595, 36.9664 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 255, 139) }
```

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

```
.background{ background-color: rgb(140,  
255, 139) }
```

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