

Converting Colors

XYZ(51.1331, 77.7266, 37.9066)

Have a look what the booklet for
XYZ(51.1331, 77.7266, 37.9066)
contains.

XYZ(51.3355, 78.0432, 37.9494)	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(51.3355, 78.0432,
37.9494)**

Conversions

Conversions Part 1

Format	Color
Hex	8FFD8E
RGB	143, 253, 142
RGB Percent	56%, 99%, 56%
CMY	0.4392, 0.0078, 0.4431
CMYK	0.43, 0.00, 0.44, 0.01
HSL	119°, 97%, 77%
HSV	119°, 44%, 99%
XYZ	51.3355, 78.0432, 37.9494
YIQ	207.4560, -29.9290, -57.8410

Conversions

Conversions Part 2

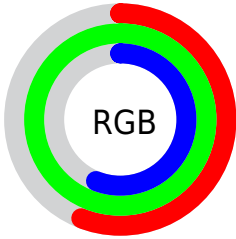
Format	Color
RYB	142, 253, 252
Decimal	9436558
CIELab	90.80, -53.15, 43.39
CIElCh	91, 68.614, 140.776
Yxy	78.0432, 0.3068, 0.4664
Android (android.graphics.Color)	4287626638 (0xFF8FFD8E)
YUV	207.4560, -32.2698, -56.5279
Hunter-Lab	88.3421, -50.8724, 36.3700

Details

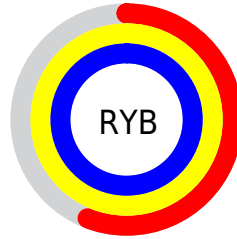
The XYZ color **51.3355, 78.0432, 37.9494** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **67.5512, 47.1358, 98.4704**, and the grayscale version is **59.8198, 62.9351, 68.5363**.

A 20% lighter version of the original color is **69.9254, 87.9687, 66.1175**, and **25.2415, 42.1029, 16.4692** is the 20% darker color. If you saturate the color by 10%, you get **45.7817, 75.3775, 28.8745**, and if you desaturate by 10%, it is **58.2942, 81.3879, 49.3436**.

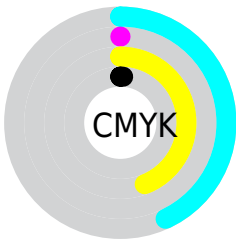
Distribution



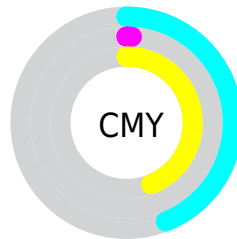
- Red (56%)
- Green (99%)
- Blue (56%)



- Red (56%)
- Yellow (99%)
- Blue (99%)



- Cyan (43%)
- Magenta (0%)
- Yellow (44%)
- Black (1%)





- Cyan (44%)
- Magenta (1%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.3355, 78.0432, 37.9494 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 51.3355, 78.0432, 37.9494 by changing the saturation by 10% instead.


 51.3355, 78.0432,
37.9494


 51.3355, 78.0432,
37.9494


382.2321,
488.3135, 352.6945

 36.6978, 58.1095,
25.6419


 91.3305, 130.6110,
73.2331

 25.1462, 41.8967,
16.3326


 117.4186,
164.0139, 97.0464

 16.3153, 29.0204,
9.6029


148.0542,
202.6753, 125.5321

 9.8398, 19.0962,
5.0343

183.6026,
246.9795, 159.1087

 5.3543, 11.7398,
2.2083

224.4293,
297.3111, 198.1946

 2.4935, 6.5668,
0.6792

270.8995,

 0.8920, 3.1927,

354.0544, 243.2086

0.0000

323.3787,
417.5937, 294.5690

0.0000, 1.2331,
0.0000

0.0000, 0.0885,
0.0000

51.3355, 78.0432,
37.9494

51.3355, 78.0432,
37.9494

45.7817, 75.3775,
28.8745

58.2942, 81.3879,
49.3436

41.5321, 73.3355,
21.9549

66.7382, 85.4431,
63.1955

38.4819, 71.8693,
17.0140

76.7486, 90.2500,
79.6392

36.5077, 70.9197,
13.8444

88.3989, 95.8440,
98.7971

■ 35.4594, 70.4147,
12.1934

94.4168, 98.7336,
108.6889

■ 35.1553, 70.2683,
11.7103

Harmonies

Analogous

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



63.0235, 78.0432, 23.5099



51.3355, 78.0432, 37.9494



46.0187, 78.0432, 70.6403

Triad

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



51.3355, 78.0432, 37.9494



68.9870, 78.0432, 217.4544



109.7119, 78.0432, 55.5382

Complementary

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



51.3355, 78.0432, 37.9494



67.5512, 47.1358, 98.4704

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.



111.9702, 78.0432, 101.1303



51.3355, 78.0432, 37.9494



86.5760, 78.0432, 208.3270

Square

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



51.3355, 78.0432, 37.9494



55.1182, 78.0432, 181.8503



102.9537, 78.0432, 160.3102



97.1910, 78.0432, 30.5858

Rectangle

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



51.3355, 78.0432, 37.9494



46.1322, 78.0432, 104.0023



102.9537, 78.0432, 160.3102



111.7651, 78.0432, 68.4239

Sweetspot

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



51.3374, 78.0465, 37.9511



79.0943, 92.3389, 82.6564



79.9381, 91.9278, 39.1231



16.4108, 19.5153, 16.8394



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.



51.3374, 78.0465, 37.9511



47.0354, 76.9421, 30.0939



56.2071, 79.9745, 64.4925



17.7867, 20.1759, 19.1012



18.7069, 37.3818, 6.2295



1.8265, 3.6424, 0.6068

Inverse Universe

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



67.5512, 47.1358, 98.4704



65.5428, 41.6471, 99.1920



60.5332, 44.3705, 59.6225



18.7756, 18.2916, 22.7910



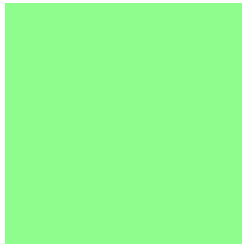
30.5496, 14.6594, 50.6540



2.9795, 1.4299, 4.9322

Previews

White Background



This preview shows how the XYZ color 51.3355, 78.0432, 37.9494 looks on a white background.

Color Contrast Check

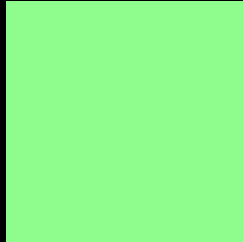
Large Text (above 18pt) WCAG AA × Fail

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 51.3355, 78.0432, 37.9494 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 51.3355, 78.0432, 37.9494

Background



This preview shows how black text looks on a background with the XYZ color 51.3355, 78.0432, 37.9494.



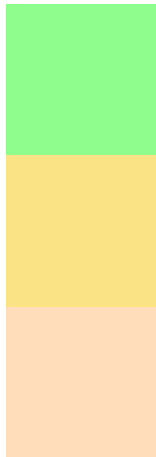
This preview shows how white text looks on a background with the XYZ color 51.3355, 78.0432,

37.9494.

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

51.3355, 78.0432, 37.9494

Protanopia

70.7009, 76.7439, 32.9165

Deuteranopia

76.0661, 76.5608, 57.7823



Tritanopia

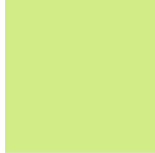
66.5290, 77.5992, 106.0794

Trichromacy



Original Color

51.3355, 78.0432, 37.9494



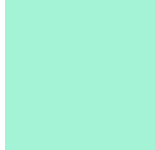
Protanomaly

61.0177, 75.4701, 34.6438



Deuteranomaly

64.2212, 75.5142, 49.7190



Tritanomaly

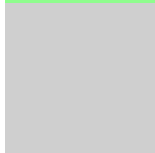
59.4980, 76.8487, 75.3157

Monochromacy



Original Color

51.3355, 78.0432, 37.9494



Achromatopsia

59.3074, 62.3960, 67.9493



Achromatomaly

54.9701, 66.9206, 54.8195

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.3355, 78.0432, 37.9494 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, 253, 142)` looks like.

```
.text, #text, p{  
    color:rgb(143, 253, 142)  
}
```

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, 253, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 253, 142) }
```

Border

The CSS property to change the border of an element to XYZ 51.3355, 78.0432, 37.9494 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, 253, 142) }
```


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

```
.border{ border-color:rgb(143, 253, 142) }
```

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

Here you see how a box with a 4 pixel rgb(143, 253, 142) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 253, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 253, 142);  
box-shadow:4px 4px 4px 4px rgb(143, 253,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 51.3355, 78.0432, 37.9494 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 253, 142) }
```

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

```
.background{ background-color: rgb(143,  
253, 142) }
```

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