

Converting Colors

XYZ(51.1809, 75.6191, 35.5027)

Have a look what the booklet for
XYZ(51.1809, 75.6191, 35.5027)
contains.

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Color

**XYZ(51.2196, 75.7133,
35.5815)**

Conversions

Conversions Part 1

Format	Color
Hex	99F889
RGB	153, 248, 137
RGB Percent	60%, 97%, 54%
CMY	0.4000, 0.0274, 0.4627
CMYK	0.38, 0.00, 0.45, 0.03
HSL	111°, 89%, 75%
HSV	111°, 45%, 97%
XYZ	51.2196, 75.7133, 35.5815
YIQ	206.9410, -20.9890, -54.6610

Conversions

Conversions Part 2

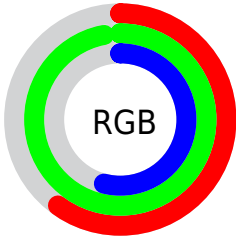
Format	Color
RYB	137, 248, 232
Decimal	10090633
CIELab	89.73, -48.83, 44.53
CIELCh	90, 66.086, 137.640
Yxy	75.7133, 0.3152, 0.4659
Android (android.graphics.Color)	4288280713 (0xFF99F889)
YUV	206.9410, -34.4809, -47.3063
Hunter-Lab	87.0134, -47.2011, 36.6645

Details

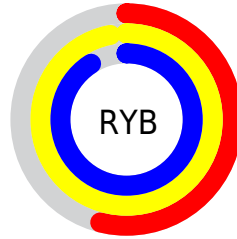
The XYZ color **51.2196, 75.7133, 35.5815** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **59.1715, 41.8270, 93.7658**, and the grayscale version is **59.4966, 62.5950, 68.1660**.

A 20% lighter version of the original color is **72.1384, 89.1747, 63.2795**, and **25.0944, 40.4043, 15.0705** is the 20% darker color. If you saturate the color by 10%, you get **45.9853, 73.1996, 27.0937**, and if you desaturate by 10%, it is **57.5792, 78.7643, 46.2593**.

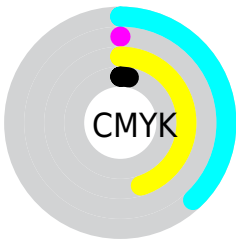
Distribution



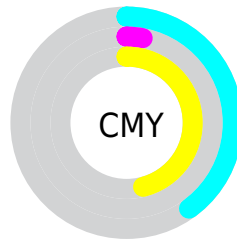
- Red (60%)
- Green (97%)
- Blue (54%)



- Red (54%)
- Yellow (97%)
- Blue (91%)



- Cyan (38%)
- Magenta (0%)
- Yellow (45%)
- Black (3%)





- Cyan (40%)
- Magenta (3%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.2196, 75.7133, 35.5815 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 51.2196, 75.7133, 35.5815 by changing the saturation by 10% instead.


 51.2196, 75.7133,
35.5815


 51.2196, 75.7133,
35.5815


381.7900,
480.3657, 342.1096


 36.6052, 56.1974,
23.8240


 91.1604, 127.3216,
69.5474

 25.0742, 40.3613,
14.9921


 117.2174,
160.1828, 92.5929

 16.2614, 27.8203,
8.6673


 147.8193,
198.2612, 120.2381

 9.8013, 18.1903,
4.4310

183.3315,
241.9412, 152.9017

 5.3287, 11.0867,
1.8646

224.1193,
291.6073, 191.0020

 2.4781, 6.1252,
0.4701

270.5481,

 0.8842, 2.9213,

347.6438, 234.9578

0.0000

322.9832,
410.4352, 285.1874

0.0000, 1.0908,
0.0000

0.0000, 0.0000,
0.0000

51.2196, 75.7133,
35.5815

51.2196, 75.7133,
35.5815

45.9853, 73.1996,
27.0937

57.5792, 78.7643,
46.2593

41.8045, 71.1829,
20.6395

65.1192, 82.3714,
59.2589

38.6058, 69.6322,
16.0501

73.8977, 86.5640,
74.7080

36.3061, 68.5090,
13.1270

83.9674, 91.3668,
92.7233

■ 34.8079, 67.7682,
11.6268

■ 92.8590, 95.6179,
108.1697

■ 34.2875, 67.5084,
11.2233

Harmonies

Analogous

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



62.8866, 75.7133, 23.1139



51.2196, 75.7133, 35.5815



45.5088, 75.7133, 64.6975

Triad

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



51.2196, 75.7133, 35.5815



65.4677, 75.7133, 204.7018



106.1118, 75.7133, 58.1435

Complementary

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



51.2196, 75.7133, 35.5815



59.1715, 41.8270, 93.7658

Split Complementary

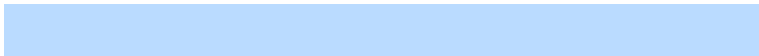
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



107.0818, 75.7133, 103.1591



51.2196, 75.7133, 35.5815



81.8737, 75.7133, 200.8064

Square

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



51.2196, 75.7133, 35.5815



52.8627, 75.7133, 168.0270



97.6648, 75.7133, 158.8112



95.1860, 75.7133, 32.3488

Rectangle

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



51.2196, 75.7133, 35.5815



45.1798, 75.7133, 94.9435



97.6648, 75.7133, 158.8112



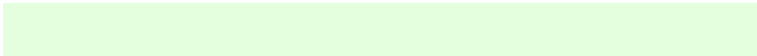
107.6664, 75.7133, 71.0835

Sweetspot

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



51.2215, 75.7165, 35.5832



80.4859, 93.0563, 82.7215



71.9041, 79.1143, 35.1489



16.7486, 19.6894, 16.8552



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.



51.2215, 75.7165, 35.5832



49.3288, 78.1420, 29.4053



51.7080, 75.5854, 52.8626



17.2501, 19.4292, 18.3034



18.5903, 36.5019, 6.0658



1.7898, 3.4158, 0.5650

Inverse Universe

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



59.1715, 41.8270, 93.7658



58.7585, 37.7012, 98.7879



59.1871, 42.4607, 65.4981



17.7327, 17.3904, 21.8074



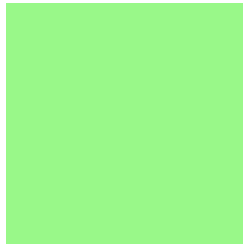
23.9527, 11.2908, 48.8904



2.2835, 1.0793, 4.5311

Previews

White Background



This preview shows how the XYZ color 51.2196, 75.7133, 35.5815 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 51.2196, 75.7133, 35.5815 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

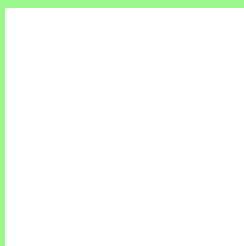
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.2196, 75.7133, 35.5815

Background



This preview shows how black text looks on a background with the XYZ color 51.2196, 75.7133, 35.5815.



This preview shows how white text looks on a background with the XYZ color 51.2196, 75.7133,

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

51.2196, 75.7133, 35.5815

Protanopia

68.5580, 74.4627, 31.1814

Deuteranopia

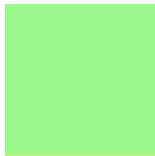
74.3473, 74.6172, 52.6035



Tritanopia

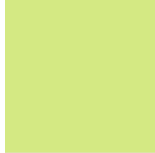
64.8935, 75.5072, 104.0826

Trichromacy



Original Color

51.2196, 75.7133, 35.5815



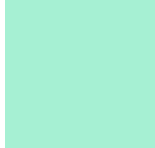
Protanomaly

60.3870, 73.9136, 32.5567



Deuteranomaly

63.5436, 73.5884, 45.5052



Tritanomaly

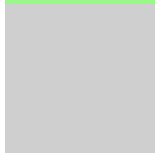
58.6438, 75.1303, 73.0388

Monochromacy



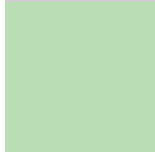
Original Color

51.2196, 75.7133, 35.5815



Achromatopsia

59.3074, 62.3960, 67.9493



Achromatomaly

55.0583, 66.1847, 54.1290

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.2196, 75.7133, 35.5815 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(153, 248, 137)` looks like.

```
.text, #text, p{  
    color:rgb(153, 248, 137)  
}
```

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(153, 248, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 248, 137) }
```

Border

The CSS property to change the border of an element to XYZ 51.2196, 75.7133, 35.5815 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(153, 248, 137) }
```


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

```
.border{ border-color:rgb(153, 248, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 248, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 248, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 248, 137);  
box-shadow:4px 4px 4px 4px rgb(153, 248,  
137) }
```

Background

The CSS property to change the background color of an element to XYZ 51.2196, 75.7133, 35.5815 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 248, 137) }
```

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

```
.background{ background-color: rgb(153,  
248, 137) }
```

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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