

Converting Colors

XYZ(51.1850, 71.7117, 33.7735)

Have a look what the booklet for
XYZ(51.1850, 71.7117, 33.7735)
contains.

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Color

**XYZ(51.1059, 71.6697,
33.6943)**

Conversions

Conversions Part 1

Format	Color
Hex	A7EF86
RGB	167, 239, 134
RGB Percent	65%, 94%, 53%
CMY	0.3451, 0.0627, 0.4745
CMYK	0.30, 0.00, 0.44, 0.06
HSL	101°, 77%, 73%
HSV	101°, 44%, 94%
XYZ	51.1059, 71.6697, 33.6943
YIQ	205.5020, -9.2070, -47.9190

Conversions

Conversions Part 2

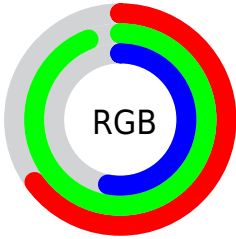
Format	Color
RYB	134, 239, 206
Decimal	11005830
CIELab	87.81, -40.87, 43.70
CIELCh	88, 59.838, 133.083
Yxy	71.6697, 0.3266, 0.4580
Android (android.graphics.Color)	4289195910 (0xFFA7EF86)
YUV	205.5020, -35.2505, -33.7663
Hunter-Lab	84.6580, -40.3954, 35.6628

Details

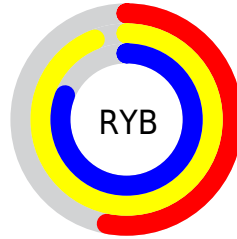
The XYZ color **51.1059, 71.6697, 33.6943** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **49.5619, 36.4062, 86.0801**, and the grayscale version is **58.5717, 61.6220, 67.1064**.

A 20% lighter version of the original color is **75.6858, 91.0414, 61.7278**, and **25.1386, 37.9209, 13.9772** is the 20% darker color. If you saturate the color by 10%, you get **46.3784, 69.4061, 25.7334**, and if you desaturate by 10%, it is **56.6526, 74.3164, 43.6627**.

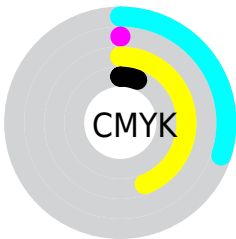
Distribution



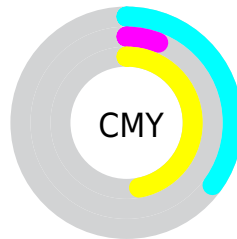
- Red (65%)
- Green (94%)
- Blue (53%)



- Red (53%)
- Yellow (94%)
- Blue (81%)



- Cyan (30%)
- Magenta (0%)
- Yellow (44%)
- Black (6%)





- Cyan (35%)
- Magenta (6%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.1059, 71.6697, 33.6943 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 51.1059, 71.6697, 33.6943 by changing the saturation by 10% instead.


 51.1059, 71.6697,
33.6943


 51.1059, 71.6697,
33.6943


381.3560,
466.3911, 333.4942


 36.5143, 52.8889,
22.3834


 90.9933, 121.5868,
66.5864

 25.0036, 37.7141,
13.9379


 117.0199,
153.4919, 89.0048

 16.2085, 25.7609,
7.9392


 147.5888,
190.5406, 115.9626

 9.7636, 16.6448,
3.9689

183.0654,
233.1172, 147.8786

 5.3035, 9.9816,
1.6083

223.8151,
281.6062, 185.1712

 2.4630, 5.3867,
0.2967

270.2031,

 0.8766, 2.4759,

336.3919, 228.2590

0.0000

322.5950,
397.8587, 277.5605

0.0000, 0.8645,
0.0000

0.0000, 0.0000,
0.0000

51.1059, 71.6697,
33.6943

51.1059, 71.6697,
33.6943

46.3784, 69.4061,
25.7334

56.6526, 74.3164,
43.6627

42.4226, 67.4976,
19.6392


63.0518, 77.3543,
55.7574

39.1941, 65.9268,
15.2603


70.3416, 80.8025,
70.0934


36.6408, 64.6708,
12.4194

78.5559, 84.6764,
86.7761

 34.7017, 63.7028,
10.9004

 87.7268, 88.9903,
105.9043

 33.7781, 63.2362,
10.4255

 90.1580, 90.2159,
107.2693

Harmonies

Analogous

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



62.1190, 71.6697, 23.9311



51.1059, 71.6697, 33.6943



45.1762, 71.6697, 57.4053

Triad

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



51.1059, 71.6697, 33.6943



60.4731, 71.6697, 179.4219



98.3573, 71.6697, 61.6259

Complementary

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



51.1059, 71.6697, 33.6943



49.5619, 36.4062, 86.0801

Split Complementary

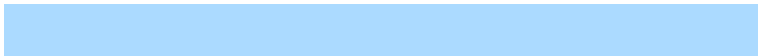
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



97.7541, 71.6697, 103.0980



51.1059, 71.6697, 33.6943



74.4954, 71.6697, 181.7929

Square

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



51.1059, 71.6697, 33.6943



50.0460, 71.6697, 144.6357



88.5442, 71.6697, 150.2941



90.0928, 71.6697, 35.8538

Rectangle

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



51.1059, 71.6697, 33.6943



44.3125, 71.6697, 82.3220



88.5442, 71.6697, 150.2941



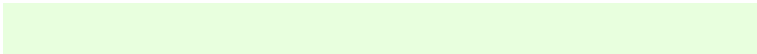
99.2155, 71.6697, 73.9016

Sweetspot

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



51.1077, 71.6728, 33.6959



82.2904, 93.9865, 82.8059



61.9138, 64.0973, 31.6641



17.1892, 19.9166, 16.8758



0.0000, 0.0000, 0.0000



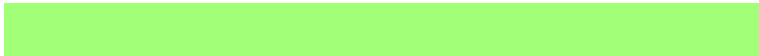
20.3446, 21.4041, 23.3091

Same Dimension

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



51.1077, 71.6728, 33.6959



54.1068, 80.5875, 30.4248



46.4707, 69.1128, 41.1376



16.0333, 17.8973, 16.7592



18.7849, 35.0055, 5.7667



1.6616, 2.9631, 0.4844

Inverse Universe

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



49.5619, 36.4062, 86.0801



52.0524, 34.6926, 98.5606



57.0096, 40.5569, 72.3634



15.9430, 15.7678, 19.9248



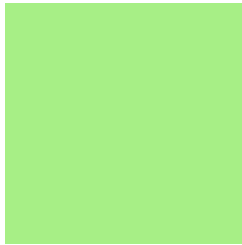
17.1997, 7.8722, 45.7408



1.5330, 0.7076, 3.8100

Previews

White Background



This preview shows how the XYZ color 51.1059, 71.6697, 33.6943 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 51.1059, 71.6697, 33.6943 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

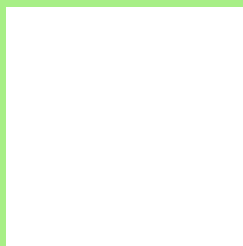
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.1059, 71.6697, 33.6943

Background



This preview shows how black text looks on a background with the XYZ color 51.1059, 71.6697, 33.6943.

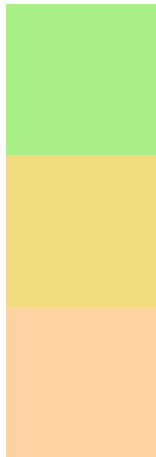


This preview shows how white text looks on a background with the XYZ color 51.1059, 71.6697,

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

51.1059, 71.6697, 33.6943

Protanopia

65.0975, 70.7206, 30.2981

Deuteranopia

71.3051, 70.9556, 44.1200



Tritanopia

63.5331, 71.2387, 95.9898

Trichromacy



Original Color

51.1059, 71.6697, 33.6943



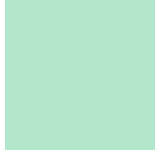
Protanomaly

58.6662, 70.1506, 31.5675



Deuteranomaly

62.2202, 70.1975, 39.9759



Tritanomaly

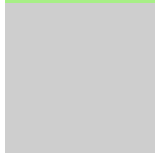
57.8351, 70.9764, 67.7783

Monochromacy



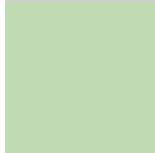
Original Color

51.1059, 71.6697, 33.6943



Achromatopsia

58.6655, 61.7207, 67.2138



Achromatomaly

55.0479, 64.6446, 52.7563

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.1059, 71.6697, 33.6943 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(167, 239, 134)` looks like.

```
.text, #text, p{  
    color:rgb(167, 239, 134)  
}
```

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(167, 239, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 239, 134) }
```

Border

The CSS property to change the border of an element to XYZ 51.1059, 71.6697, 33.6943 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(167, 239, 134) }
```


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

```
.border{ border-color:rgb(167, 239, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 239, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(167, 239, 134); -webkit-box-shadow:4px 4px 4px 4px rgb(167, 239, 134); box-shadow:4px 4px 4px 4px rgb(167, 239, 134) }
```

Background

The CSS property to change the background color of an element to XYZ 51.1059, 71.6697, 33.6943 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 239, 134) }
```

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

```
.background{ background-color: rgb(167,  
239, 134) }
```

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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