

Converting Colors

XYZ(50.9151, 66.9536, 59.8977)

Have a look what the booklet for
XYZ(50.9151, 66.9536, 59.8977)
contains.

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Color

**XYZ(51.1377, 67.2694,
60.1582)**

Conversions

Conversions Part 1

Format	Color
Hex	9AE6C0
RGB	154, 230, 192
RGB Percent	60%, 90%, 75%
CMY	0.3961, 0.0980, 0.2471
CMYK	0.33, 0.00, 0.17, 0.10
HSL	150°, 60%, 75%
HSV	150°, 33%, 90%
XYZ	51.1377, 67.2694, 60.1582
YIQ	202.9440, -33.0980, -27.9300

Conversions

Conversions Part 2

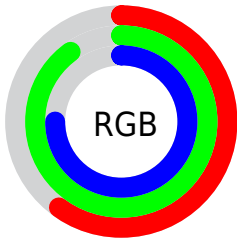
Format	Color
RYB	154, 205, 230
Decimal	10151616
CIELab	85.64, -31.44, 11.13
CIElCh	86, 33.348, 160.506
Yxy	67.2694, 0.2864, 0.3767
Android (android.graphics.Color)	4288341696 (0xFF9AE6C0)
YUV	202.9440, -5.3954, -42.9239
Hunter-Lab	82.0179, -32.2377, 13.9247

Details

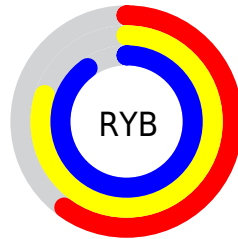
The XYZ color **51.1377, 67.2694, 60.1582** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **53.7055, 43.7417, 55.4844**, and the grayscale version is **56.7788, 59.7357, 65.0522**.

A 20% lighter version of the original color is **79.2816, 91.9989, 102.3859**, and **25.0518, 34.8455, 29.8316** is the 20% darker color. If you saturate the color by 10%, you get **45.9478, 64.7373, 53.5220**, and if you desaturate by 10%, it is **57.2696, 70.2793, 67.3612**.

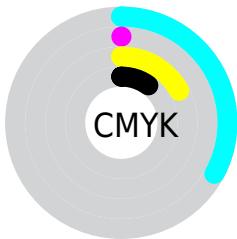
Distribution



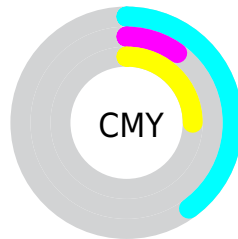
- Red (60%)
- Green (90%)
- Blue (75%)



- Red (60%)
- Yellow (80%)
- Blue (90%)



- Cyan (33%)
- Magenta (0%)
- Yellow (17%)
- Black (10%)





- Cyan (40%)
- Magenta (10%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.1377, 67.2694, 60.1582 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 51.1377, 67.2694, 60.1582 by changing the saturation by 10% instead.


 51.1377, 67.2694,
60.1582


 51.1377, 67.2694,
60.1582


381.4774,
450.9031, 443.0015

 36.5397, 49.3036,
43.1200


 91.0401, 115.3063,
106.6047

 25.0233, 34.8604,
29.6472


 117.0751,
146.1463, 136.8502

 16.2233, 23.5553,
19.3212


147.6533,
182.0464, 172.3351

 9.7741, 15.0041,
11.7234

183.1398,
223.3910, 213.4782

 5.3106, 8.8223,
6.4354

223.9002,
270.5646, 260.6977

 2.4672, 4.6254,
3.0386

270.2996,

 0.8788, 2.0292,

323.9516, 314.4125

1.1144

322.7036,
383.9363, 375.0409

■ 0.0000, 0.6244,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 51.1377, 67.2694,
60.1582

■ 51.1377, 67.2694,
60.1582

■ 45.9478, 64.7373,
53.5220

■ 57.2696, 70.2793,
67.3612

■ 41.6440, 62.6489,
47.4339

■ 64.3845, 73.7823,
75.1401

■ 38.1730, 60.9788,
41.8806

■ 72.5273, 77.8033,
83.5095

■ 35.4729, 59.6955,
36.8465

■ 81.7388, 82.3630,
92.4820

■ 33.4727, 58.7626,
32.3150

■ 86.7159, 84.7272,
101.8199

■ 32.0867, 58.1362,
28.2684

■ 87.5880, 85.0761,
106.4127

■ 31.3924, 57.8338,
25.7274

Harmonies

Analogous

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



54.9150, 67.2694, 45.8294



51.1377, 67.2694, 60.1582



50.6292, 67.2694, 81.1373

Triad

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



51.1377, 67.2694, 60.1582



66.6370, 67.2694, 122.5324



75.6940, 67.2694, 49.3033

Complementary

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



51.1377, 67.2694, 60.1582



53.7055, 43.7417, 55.4844

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.



79.3949, 67.2694, 65.8817



51.1377, 67.2694, 60.1582



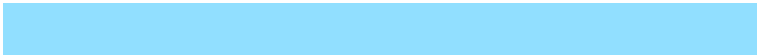
73.8978, 67.2694, 109.8612

Square

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



51.1377, 67.2694, 60.1582



59.1879, 67.2694, 120.1579



78.7127, 67.2694, 88.1040



68.9347, 67.2694, 40.4748

Rectangle

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



51.1377, 67.2694, 60.1582



52.1648, 67.2694, 96.5885



78.7127, 67.2694, 88.1040



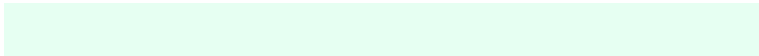
77.3603, 67.2694, 54.0025

Sweetspot

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



51.1395, 67.2722, 60.1597



84.2974, 94.6862, 98.0343



56.1922, 70.3022, 41.1809



17.7427, 20.1185, 20.6696



0.0000, 0.0000, 0.0000



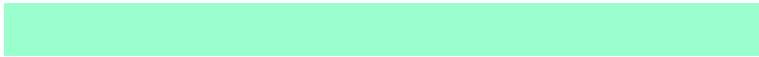
20.3446, 21.4041, 23.3091

Same Dimension

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



51.1395, 67.2722, 60.1597



59.7957, 82.6518, 69.9273



55.7312, 69.1088, 84.3388



14.4884, 16.2088, 16.8364



17.8336, 32.7655, 14.8900



1.3647, 2.4400, 1.3472

Inverse Universe

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



53.7055, 43.7417, 55.4844



63.5306, 48.4022, 63.1222



50.1296, 42.3113, 36.6538



14.6760, 14.4876, 16.4945



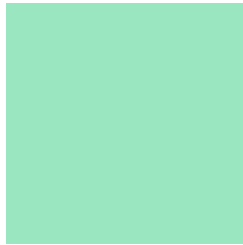
20.2889, 10.2498, 10.4162



1.5462, 0.7762, 1.0166

Previews

White Background



This preview shows how the XYZ color 51.1377, 67.2694, 60.1582 looks on a white background.

Color Contrast Check

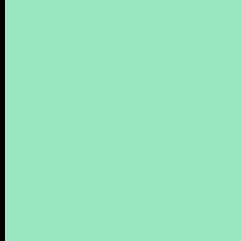
Large Text (above 18pt) WCAG AA × Fail

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 51.1377, 67.2694, 60.1582 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

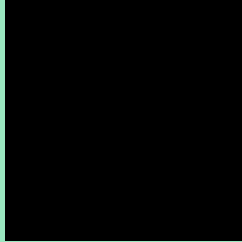
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.1377, 67.2694, 60.1582

Background



This preview shows how black text looks on a background with the XYZ color 51.1377, 67.2694, 60.1582.



This preview shows how white text looks on a background with the XYZ color 51.1377, 67.2694,

60.1582.

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

51.1377, 67.2694, 60.1582

Protanopia

63.0820, 66.8547, 54.3792

Deuteranopia

68.0845, 66.6991, 62.1091



Tritanopia

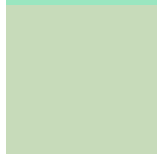
57.5747, 67.0187, 93.1205

Trichromacy



Original Color

51.1377, 67.2694, 60.1582



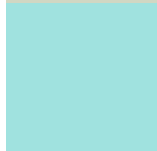
Protanomaly

57.7476, 66.3503, 56.2176



Deuteranomaly

60.4453, 66.0963, 61.2018



Tritanomaly

55.0128, 67.1940, 79.8823

Monochromacy



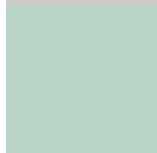
Original Color

51.1377, 67.2694, 60.1582



Achromatopsia

56.7640, 59.7202, 65.0353



Achromatomaly

54.1106, 62.0263, 63.1532

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.1377, 67.2694, 60.1582 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(154, 230, 192)` looks like.

```
.text, #text, p{  
    color:rgb(154, 230, 192)  
}
```

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(154, 230, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 230, 192) }
```

Border

The CSS property to change the border of an element to XYZ 51.1377, 67.2694, 60.1582 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(154, 230, 192) }
```


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

```
.border{ border-color:rgb(154, 230, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 230, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 230, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 230, 192);  
box-shadow:4px 4px 4px 4px rgb(154, 230,  
192) }
```

Background

The CSS property to change the background color of an element to XYZ 51.1377, 67.2694, 60.1582 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 230, 192) }
```

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

```
.background{ background-color: rgb(154,  
230, 192) }
```

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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