

Converting Colors

XYZ(51.0063, 67.8421, 84.1898)

Have a look what the booklet for
XYZ(51.0063, 67.8421, 84.1898)
contains.

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Color

**XYZ(51.1669, 67.9999,
84.5573)**

Conversions

Conversions Part 1

Format	Color
Hex	79E9E5
RGB	121, 233, 229
RGB Percent	47%, 91%, 90%
CMY	0.5255, 0.0863, 0.1020
CMYK	0.48, 0.00, 0.02, 0.09
HSL	178°, 72%, 69%
HSV	178°, 48%, 91%
XYZ	51.1669, 67.9999, 84.5573
YIQ	199.0560, -65.4680, -24.9880

Conversions

Conversions Part 2

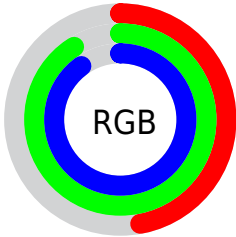
Format	Color
R_{YB}	121, 178, 233
Decimal	7989733
CIE _{Lab}	86.01, -32.94, -7.96
CIE _{LCh}	86, 33.888, 193.588
Yxy	67.9999, 0.2512, 0.3338
Android (android.graphics.Color)	4286179813 (0xFF79E9E5)
YUV	199.0560, 14.7624, -68.4551
Hunter-Lab	82.4621, -33.5511, -3.0730

Details

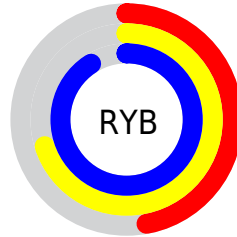
The XYZ color **51.1669, 67.9999, 84.5573** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **44.1456, 32.4810, 23.3471**, and the grayscale version is **54.2633, 57.0892, 62.1702**.

A 20% lighter version of the original color is **72.6324, 88.4433, 107.8509**, and **25.1070, 35.3998, 45.5540** is the 20% darker color. If you saturate the color by 10%, you get **48.1722, 66.4711, 83.8132**, and if you desaturate by 10%, it is **54.9546, 69.9407, 85.3445**.

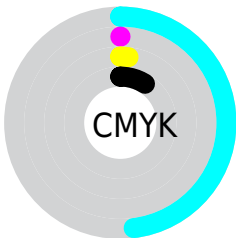
Distribution



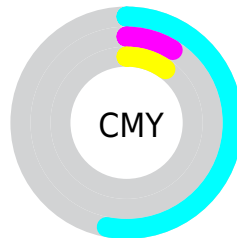
- Red (47%)
- Green (91%)
- Blue (90%)



- Red (47%)
- Yellow (70%)
- Blue (91%)



- Cyan (48%)
- Magenta (0%)
- Yellow (2%)
- Black (9%)





- Cyan (53%)
- Magenta (9%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.1669, 67.9999, 84.5573 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 51.1669, 67.9999, 84.5573 by changing the saturation by 10% instead.


 51.1669, 67.9999,
84.5573


 51.1669, 67.9999,
84.5573


381.5889,
453.4957, 530.2684


 36.5630, 49.8977,
62.9276


 91.0830, 116.3520,
141.6232

 25.0415, 35.3321,
45.3420


 117.1259,
147.3706, 177.8964

 16.2369, 23.9188,
31.3820

 147.7125,
183.4635, 219.8879

 9.7838, 15.2734,
20.6290


183.2082,
225.0151, 268.0162

 5.3170, 9.0115,
12.6645

223.9783,
272.4097, 322.6999

 2.4711, 4.7487,
7.0699

270.3882,

 0.8807, 2.1006,

326.0317, 384.3575

3.4268

322.8033,
386.2656, 453.4074

■ 0.0000, 0.6649,
1.3165

■ 0.0000, 0.0000,
0.0752

■ 51.1669, 67.9999,
84.5573

■ 51.1669, 67.9999,
84.5573

■ 48.1722, 66.4711,
83.8132

■ 54.9546, 69.9407,
85.3445

■ 45.9069, 65.3166,
83.1046


■ 59.5814, 72.3123,
86.1723


■ 44.3072, 64.5052,
82.4300


■ 65.0967, 75.1420,
87.0446


■ 43.2959, 63.9971,
81.7859


■ 71.5445, 78.4523,
87.9636


 42.7650, 63.7365,
81.1672


 78.9660, 82.2645,
88.9310

 42.6867, 63.6987,
81.0491

 85.2309, 85.4804,
89.8472

 85.3509, 85.5284,
90.4787

 85.4714, 85.5766,
91.1132

 85.5924, 85.6250,
91.7507

Harmonies

Analogous

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



51.3302, 67.9999, 62.5939



51.1669, 67.9999, 84.5573



54.4004, 67.9999, 107.6427

Triad

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



51.1669, 67.9999, 84.5573



75.4926, 67.9999, 109.5687



68.9470, 67.9999, 40.1058

Complementary

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



51.1669, 67.9999, 84.5573



44.1456, 32.4810, 23.3471

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.



76.0719, 67.9999, 48.2784



51.1669, 67.9999, 84.5573



80.0532, 67.9999, 86.8036

Square

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



51.1669, 67.9999, 84.5573



68.2067, 67.9999, 123.9199



80.2733, 67.9999, 64.4337



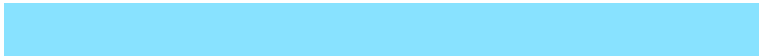
61.1842, 67.9999, 39.7440

Rectangle

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



51.1669, 67.9999, 84.5573



58.2095, 67.9999, 119.3676



80.2733, 67.9999, 64.4337



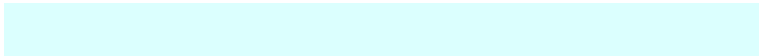
71.5100, 67.9999, 41.9430

Sweetspot

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



51.1689, 68.0025, 84.5589



82.9090, 93.7647, 107.2632



41.2851, 64.1423, 28.2954



17.3901, 19.8868, 22.9070



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.



51.1689, 68.0025, 84.5589



59.0461, 81.5363, 102.8343



39.4463, 43.6526, 83.4405



15.4931, 17.1120, 19.2793



24.2307, 36.1468, 46.0416



1.9100, 2.8413, 3.6538

Inverse Universe

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



44.1456, 32.4810, 23.3471



49.4543, 32.9747, 19.2001



51.6964, 47.9837, 24.6277



15.0873, 15.0628, 15.7449



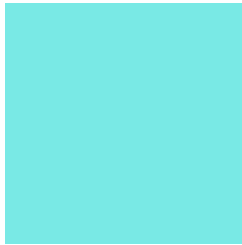
19.1032, 9.8440, 1.0790



1.5078, 0.7761, 0.1253

Previews

White Background



This preview shows how the XYZ color 51.1669, 67.9999, 84.5573 looks on a white background.

Color Contrast Check

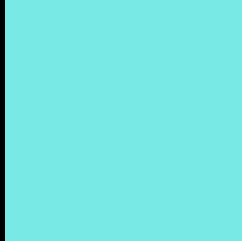
Large Text (above 18pt) WCAG AA × Fail

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 51.1669, 67.9999, 84.5573 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 51.1669, 67.9999, 84.5573

Background



This preview shows how black text looks on a background with the XYZ color 51.1669, 67.9999, 84.5573.

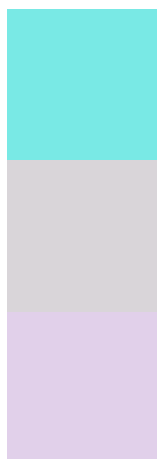


This preview shows how white text looks on a background with the XYZ color 51.1669, 67.9999,

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

51.1669, 67.9999, 84.5573

Protanopia

64.9339, 67.3500, 75.2231

Deuteranopia

68.4585, 67.0598, 87.1776



Tritanopia

54.1481, 67.9452, 99.8834

Trichromacy



Original Color

51.1669, 67.9999, 84.5573



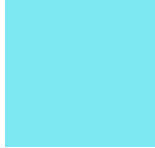
Protanomaly

57.9357, 66.3519, 78.1603



Deuteranomaly

59.8719, 66.0167, 85.9308



Tritanomaly

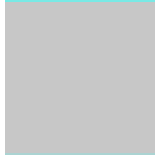
53.0604, 67.9226, 94.3182

Monochromacy



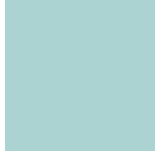
Original Color

51.1669, 67.9999, 84.5573



Achromatopsia

54.2854, 57.1125, 62.1955



Achromatomaly

51.7217, 59.8996, 69.8085

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.1669, 67.9999, 84.5573 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(121, 233, 229)` looks like.

```
.text, #text, p{  
    color:rgb(121, 233, 229)  
}
```

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(121, 233, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 233, 229) }
```

Border

The CSS property to change the border of an element to XYZ 51.1669, 67.9999, 84.5573 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(121, 233, 229) }
```


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

```
.border{ border-color:rgb(121, 233, 229) }
```

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

Here you see how a box with a 4 pixel rgb(121, 233, 229) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 233, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 233, 229);  
box-shadow:4px 4px 4px 4px rgb(121, 233,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 51.1669, 67.9999, 84.5573 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 233, 229) }
```

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

```
.background{ background-color: rgb(121,  
233, 229) }
```

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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