

Converting Colors

XYZ(51.5105, 66.0070, 67.8033)

Have a look what the booklet for
XYZ(51.5105, 66.0070, 67.8033)
contains.

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Color

**XYZ(51.6254, 66.1183,
67.7988)**

Conversions

Conversions Part 1

Format	Color
Hex	99E3CD
RGB	153, 227, 205
RGB Percent	60%, 89%, 80%
CMY	0.4000, 0.1098, 0.1961
CMYK	0.33, 0.00, 0.10, 0.11
HSL	162°, 57%, 75%
HSV	162°, 33%, 89%
XYZ	51.6254, 66.1183, 67.7988
YIQ	202.3660, -37.0420, -22.5300

Conversions

Conversions Part 2

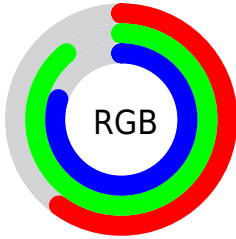
Format	Color
RYB	153, 196, 227
Decimal	10085325
CIELab	85.06, -27.63, 3.45
CIELCh	85, 27.849, 172.883
Yxy	66.1183, 0.2782, 0.3564
Android (android.graphics.Color)	4288275405 (0xFF99E3CD)
YUV	202.3660, 1.2986, -43.2940
Hunter-Lab	81.3132, -28.9691, 7.4833

Details

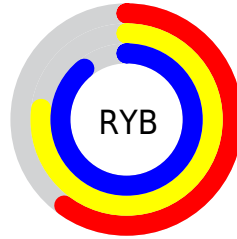
The XYZ color **51.6254, 66.1183, 67.7988** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **50.8099, 42.2102, 46.0294**, and the grayscale version is **56.3778, 59.3138, 64.5928**.

A 20% lighter version of the original color is **80.1045, 92.2953, 108.2006**, and **25.2944, 34.0128, 34.5101** is the 20% darker color. If you saturate the color by 10%, you get **46.9448, 63.7992, 63.4190**, and if you desaturate by 10%, it is **57.1599, 68.8770, 72.4049**.

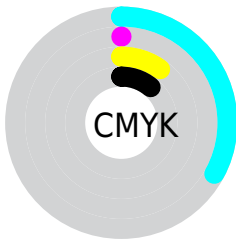
Distribution



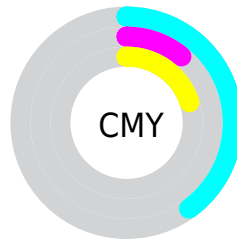
- Red (60%)
- Green (89%)
- Blue (80%)



- Red (60%)
- Yellow (77%)
- Blue (89%)



- Cyan (33%)
- Magenta (0%)
- Yellow (10%)
- Black (11%)





- Cyan (40%)
- Magenta (11%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.6254, 66.1183, 67.7988 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 51.6254, 66.1183, 67.7988 by changing the saturation by 10% instead.


 51.6254, 66.1183,
67.7988


 51.6254, 66.1183,
67.7988


383.3365,
446.7998, 471.3615

 36.9296, 48.3684,
49.2684


 91.7561, 113.6561,
117.7158

 25.3264, 34.1188,
34.4653

 117.9217,
144.2128, 149.9394

 16.4505, 22.9848,
22.9711


148.6412,
179.8073, 187.5645

 9.9363, 14.5823,
14.3670

184.2802,
220.8240, 231.0097

 5.4187, 8.5268,
8.2347

225.2038,
267.6471, 280.6934

 2.5322, 4.4338,
4.1556

271.7775,

 0.9115, 1.9191,

320.6613, 337.0343

1.7111

324.3666,
380.2507, 400.4508

0.0000, 0.5598,
0.3683

0.0000, 0.0000,
0.0000

51.6254, 66.1183,
67.7988

51.6254, 66.1183,
67.7988

46.9448, 63.7992,
63.4190

57.1599, 68.8770,
72.4049

43.0657, 61.8876,
59.2566

63.5859, 72.0894,
77.2369

39.9386, 60.3596,
55.3082

70.9454, 75.7789,
82.3007

37.5058, 59.1857,
51.5689

79.2760, 79.9648,
87.5999

■ 35.7011, 58.3318,
48.0330

■ 84.2532, 82.4178,
92.9345

■ 34.4445, 57.7566,
44.6944

■ 85.2679, 82.8236,
98.2780

■ 33.7727, 57.4616,
42.3448

■ 86.3203, 83.2446,
103.8196

■ 86.7603, 83.4206,
106.1368

Harmonies

Analogous

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



53.7135, 66.1183, 53.1048



51.6254, 66.1183, 67.7988



52.3797, 66.1183, 86.2667

Triad

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



51.6254, 66.1183, 67.7988



67.6481, 66.1183, 108.7090



70.4014, 66.1183, 47.8238

Complementary

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



51.6254, 66.1183, 67.7988



50.8099, 42.2102, 46.0294

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.



74.6155, 66.1183, 59.3851



51.6254, 66.1183, 67.7988



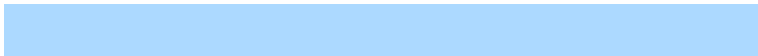
72.9535, 66.1183, 94.8968

Square

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



51.6254, 66.1183, 67.7988



61.3619, 66.1183, 111.9668



75.5792, 66.1183, 76.3538



64.3487, 66.1183, 42.8825

Rectangle

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



51.6254, 66.1183, 67.7988



54.4185, 66.1183, 98.1311



75.5792, 66.1183, 76.3538



72.0960, 66.1183, 50.9625

Sweetspot

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



51.6273, 66.1210, 67.8003



85.0860, 95.0016, 102.1871



50.9450, 66.3780, 40.2652



17.9338, 20.1949, 21.6756



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.



51.6273, 66.1210, 67.8003



63.0329, 84.0029, 84.4348



50.5976, 59.5079, 81.4956



14.6153, 16.2595, 17.5048



19.7491, 33.5318, 24.9769



1.4998, 2.4940, 2.0583

Inverse Universe

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



50.8099, 42.2102, 46.0294



61.8226, 48.3940, 52.0474



51.3962, 46.5641, 36.4169



14.5524, 14.4382, 15.8435



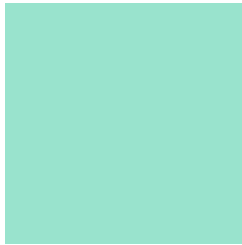
19.1193, 9.7819, 4.2573



1.4526, 0.7388, 0.5241

Previews

White Background



This preview shows how the XYZ color 51.6254, 66.1183, 67.7988 looks on a white background.

Color Contrast Check

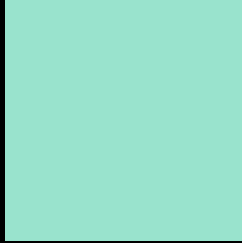
Large Text (above 18pt) WCAG AA × Fail

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 51.6254, 66.1183, 67.7988 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

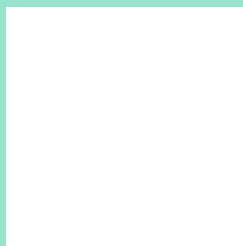
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.6254, 66.1183, 67.7988

Background



This preview shows how black text looks on a background with the XYZ color 51.6254, 66.1183, 67.7988.



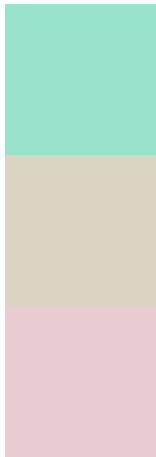
This preview shows how white text looks on a background with the XYZ color 51.6254, 66.1183,

67.7988.

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

51.6254, 66.1183, 67.7988

Protanopia

62.4715, 65.6341, 61.6006

Deuteranopia

67.0685, 65.6394, 70.1076



Tritanopia

56.5474, 66.1109, 92.2184

Trichromacy



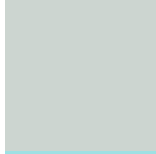
Original Color

51.6254, 66.1183, 67.7988



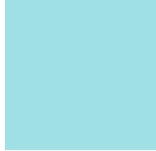
Protanomaly

57.6273, 65.3513, 63.6096



Deuteranomaly

60.0813, 64.9799, 69.0503



Tritanomaly

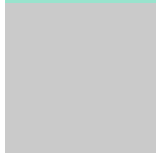
54.6213, 66.1265, 82.5579

Monochromacy



Original Color

51.6254, 66.1183, 67.7988



Achromatopsia

56.1383, 59.0619, 64.3184



Achromatomaly

53.8409, 61.0907, 65.4539

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.6254, 66.1183, 67.7988 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, 227, 205)` looks like.

```
.text, #text, p{  
    color:rgb(153, 227, 205)  
}
```

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, 227, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 227, 205) }
```

Border

The CSS property to change the border of an element to XYZ 51.6254, 66.1183, 67.7988 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, 227, 205) }
```


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

```
.border{ border-color:rgb(153, 227, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 227, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 227, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 227, 205);  
box-shadow:4px 4px 4px 4px rgb(153, 227,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 51.6254, 66.1183, 67.7988 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 227, 205) }
```

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

```
.background{ background-color: rgb(153,  
227, 205) }
```

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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