

# Converting Colors

XYZ(50.9989, 65.4584, 67.8998)

Have a look what the booklet for  
XYZ(50.9989, 65.4584, 67.8998)  
contains.

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# Color

**XYZ(50.9783, 65.3798,  
67.6903)**

# Conversions

## Conversions Part 1

Format	Color
Hex	97E2CD
RGB	151, 226, 205
RGB Percent	59%, 89%, 80%
CMY	0.4078, 0.1137, 0.1961
CMYK	0.33, 0.00, 0.09, 0.11
HSL	163°, 56%, 74%
HSV	163°, 33%, 89%
XYZ	50.9783, 65.3798, 67.6903
YIQ	201.1810, -37.9590, -22.4310

# Conversions

## Conversions Part 2

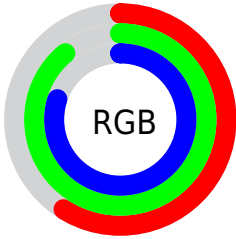
Format	Color
<a href="#">RYB</a>	<a href="#">151, 195, 226</a>
Decimal	<a href="#">9953997</a>
CIELab	<a href="#">84.68, -27.72, 2.89</a>
CIElCh	<a href="#">85, 27.869, 174.047</a>
Yxy	<a href="#">65.3798, 0.2770, 0.3552</a>
Android (android.graphics.Color)	<a href="#">4288144077 (0xFF97E2CD)</a>
YUV	<a href="#">201.1810, 1.8828, -44.0087</a>
Hunter-Lab	<a href="#">80.8578, -28.9624, 6.9657</a>

# Details

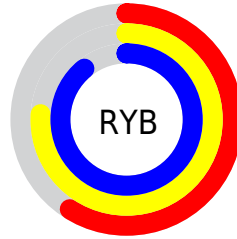
The XYZ color **50.9783, 65.3798, 67.6903** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **49.8793, 41.2823, 44.3717**, and the grayscale version is **55.6366, 58.5341, 63.7436**.

A 20% lighter version of the original color is **79.5421, 92.0054, 108.1742**, and **24.8904, 33.5252, 34.4373** is the 20% darker color. If you saturate the color by 10%, you get **46.4311, 63.1238, 63.5709**, and if you desaturate by 10%, it is **56.3641, 68.0679, 72.0131**.

# Distribution



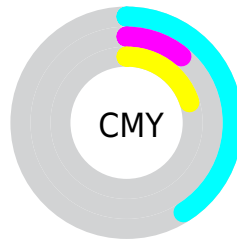
- Red (59%)
- Green (89%)
- Blue (80%)



- Red (59%)
- Yellow (76%)
- Blue (89%)



- Cyan (33%)
- Magenta (0%)
- Yellow (9%)
- Black (11%)




- Cyan (41%)
- Magenta (11%)
- Yellow (20%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 50.9783, 65.3798, 67.6903 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 50.9783, 65.3798, 67.6903 by changing the saturation by 10% instead.





 50.9783, 65.3798,  
67.6903


 50.9783, 65.3798,  
67.6903


380.8685,  
444.1555, 470.9662

 36.4123, 47.7691,  
49.1807


 90.8059, 112.5957,  
117.5590

 24.9244, 33.6441,  
34.3962


 116.7982,  
142.9697, 149.7552

 16.1492, 22.6203,  
22.9183


147.3300,  
178.3670, 187.3507

 9.7213, 14.3134,  
14.3285

182.7666,  
219.1719, 230.7640

 5.2754, 8.3390,  
8.2081

223.4734,  
265.7688, 280.4136

 2.4461, 4.3126,  
4.1387


269.8157,

 0.8682, 1.8499,


318.5421, 336.7182


1.7018


322.1590,  
377.8762, 400.0962


 0.0000, 0.5180,  
0.3619


 0.0000, 0.0000,  
0.0000


 50.9783, 65.3798,  
67.6903


 50.9783, 65.3798,  
67.6903

 46.4311, 63.1238,  
63.5709


 56.3641, 68.0679,  
72.0131


 42.6705, 61.2681,  
59.6463


 62.6258, 71.2022,  
76.5388


 39.6471, 59.7890,  
55.9137


 69.8049, 74.8059,  
81.2723


 37.3038, 58.6570,  
52.3686


 77.9388, 78.8980,  
86.2174

 35.5744, 57.8381,  
49.0058

 83.6718, 81.7488,  
91.2186

 34.3788, 57.2911,  
45.8196

 84.6113, 82.1245,  
96.1658

 33.7830, 57.0292,  
43.7445

 85.5837, 82.5135,  
101.2865

 86.4875, 82.8750,  
106.0458

# Harmonies

## Analogous

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



52.9452, 65.3798, 52.8945



50.9783, 65.3798, 67.6903



51.8370, 65.3798, 86.0931

# Triad

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



50.9783, 65.3798, 67.6903



67.1488, 65.3798, 107.3144



69.4390, 65.3798, 46.8828

# Complementary

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



50.9783, 65.3798, 67.6903



49.8793, 41.2823, 44.3717

# 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.



73.7284, 65.3798, 58.1100



50.9783, 65.3798, 67.6903



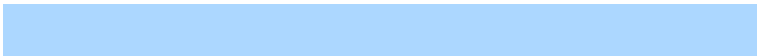
72.3456, 65.3798, 93.2756

# Square

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



50.9783, 65.3798, 67.6903



60.9081, 65.3798, 111.0255



74.8259, 65.3798, 74.8031



63.3915, 65.3798, 42.2407



# Rectangle

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



50.9783, 65.3798, 67.6903



53.9274, 65.3798, 97.7856



74.8259, 65.3798, 74.8031



71.1501, 65.3798, 49.9111

# Sweetspot

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



50.9801, 65.3825, 67.6918



85.1543, 95.0290, 102.5468



49.8525, 65.4288, 39.2808



17.9503, 20.2016, 21.7629



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.



50.9801, 65.3825, 67.6918



62.6844, 83.8073, 85.1390



49.4769, 58.0425, 80.5502



13.9443, 15.5035, 16.7419



19.3254, 32.5550, 25.2343



1.3771, 2.2716, 1.9469



# Inverse Universe

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



49.8793, 41.2823, 44.3717



61.0296, 47.4018, 49.9524



50.8166, 46.1341, 35.5057



13.8642, 13.7633, 15.0551



18.4533, 9.4483, 3.7869



1.3166, 0.6699, 0.4602



# Previews

## White Background



This preview shows how the XYZ color 50.9783, 65.3798, 67.6903 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

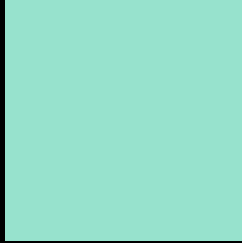
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 50.9783, 65.3798, 67.6903 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

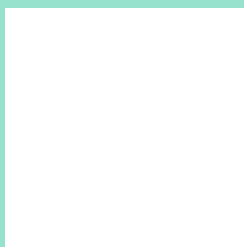
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 50.9783, 65.3798, 67.6903**

## **Background**



This preview shows how black text looks on a background with the XYZ color 50.9783, 65.3798, 67.6903.



This preview shows how white text looks on a background with the XYZ color 50.9783, 65.3798,



# 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

50.9783, 65.3798, 67.6903

### Protanopia

61.9238, 64.9841, 61.5040

### Deuteranopia

66.1807, 64.8278, 69.9977



## **Tritanopia**

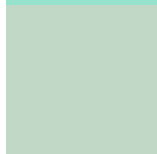
55.7345, 65.3158, 91.3310

# Trichromacy



## Original Color

50.9783, 65.3798, 67.6903



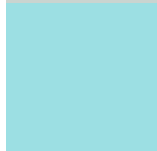
## Protanomaly

57.1128, 64.7046, 63.5119



## Deuteranomaly

59.2858, 64.1976, 68.9412



## Tritanomaly

53.9631, 65.3893, 82.4503

# Monochromacy



## Original Color

50.9783, 65.3798, 67.6903



## Achromatopsia

55.5167, 58.4078, 63.6061



## Achromatomaly

53.2357, 60.4247, 64.7344

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 50.9783, 65.3798, 67.6903 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(151, 226, 205)` looks like.

```
.text, #text, p{  
    color:rgb(151, 226, 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(151, 226, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 226, 205) }
```

## Border

The CSS property to change the border of an element to XYZ 50.9783, 65.3798, 67.6903 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(151, 226, 205) }
```



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

```
.border{ border-color:rgb(151, 226, 205) }
```

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

Here you see how a box with a 4 pixel rgb(151, 226, 205) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 226, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 226, 205);  
box-shadow:4px 4px 4px 4px rgb(151, 226,  
205) }
```

# Background

The CSS property to change the background color of an element to XYZ 50.9783, 65.3798, 67.6903 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 226, 205) }
```

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

```
.background{ background-color: rgb(151,  
226, 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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