

Converting Colors

XYZ(51.7379, 67.6461, 64.7333)

Have a look what the booklet for
XYZ(51.7379, 67.6461, 64.7333)
contains.

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Color

**XYZ(51.6710, 67.4392,
64.9373)**

Conversions

Conversions Part 1

Format	Color
Hex	98E6C8
RGB	152, 230, 200
RGB Percent	60%, 90%, 78%
CMY	0.4039, 0.0980, 0.2157
CMYK	0.34, 0.00, 0.13, 0.10
HSL	157°, 61%, 75%
HSV	157°, 34%, 90%
XYZ	51.6710, 67.4392, 64.9373
YIQ	203.2580, -36.8580, -25.8660

Conversions

Conversions Part 2

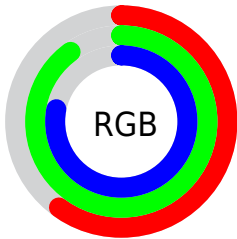
Format	Color
RYB	152, 200, 230
Decimal	10020552
CIELab	85.73, -30.40, 7.04
CIELCh	86, 31.201, 166.959
Yxy	67.4392, 0.2807, 0.3664
Android (android.graphics.Color)	4288210632 (0xFF98E6C8)
YUV	203.2580, -1.6062, -44.9533
Hunter-Lab	82.1214, -31.3997, 10.6015

Details

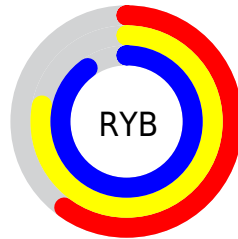
The XYZ color **51.6710, 67.4392, 64.9373** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **52.3071, 42.6585, 49.7355**, and the grayscale version is **56.9547, 59.9208, 65.2537**.

A 20% lighter version of the original color is **79.8224, 92.1499, 108.1874**, and **25.3614, 34.9441, 32.6023** is the 20% darker color. If you saturate the color by 10%, you get **46.7726, 65.0318, 59.4669**, and if you desaturate by 10%, it is **57.4677, 70.3063, 70.7650**.

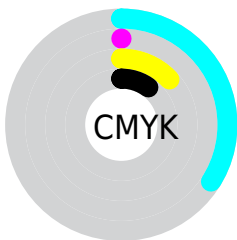
Distribution



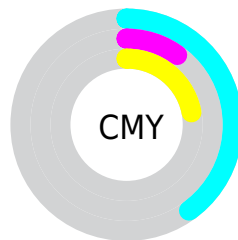
- Red (60%)
- Green (90%)
- Blue (78%)



- Red (60%)
- Yellow (78%)
- Blue (90%)



- Cyan (34%)
- Magenta (0%)
- Yellow (13%)
- Black (10%)





- Cyan (40%)
- Magenta (10%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.6710, 67.4392, 64.9373 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 51.6710, 67.4392, 64.9373 by changing the saturation by 10% instead.


 51.6710, 67.4392,
64.9373


 51.6710, 67.4392,
64.9373

383.5100,
451.5065, 460.8667

 36.9661, 49.4416,
46.9592


 91.8230, 115.5495,
113.5721

 25.3548, 34.9699,
32.6493


 118.0007,
146.4311, 145.0659

 16.4717, 23.6397,
21.5890

148.7335,
182.3760, 181.9021

 9.9515, 15.0666,
13.3598

184.3867,
223.7689, 224.4991

 5.4289, 8.8661,
7.5431

225.3255,
270.9939, 273.2755

 2.5383, 4.6540,
3.7205

271.9155,

 0.9146, 2.0457,

324.4356, 328.6499

1.4733

324.5219,
384.4784, 391.0408

0.0000, 0.6338,
0.1979

0.0000, 0.0000,
0.0000

51.6710, 67.4392,
64.9373

51.6710, 67.4392,
64.9373

46.7726, 65.0318,
59.4669

57.4677, 70.3063,
70.7650

42.7174, 63.0505,
54.3416

64.2026, 73.6483,
76.9526

39.4530, 61.4702,
49.5551

71.9199, 77.4896,
83.5087

36.9180, 60.2594,
45.0990

80.6593, 81.8506,
90.4399

■ 35.0421, 59.3819,
40.9643

■ 85.9031, 84.4022,
97.5396

■ 33.7394, 58.7936,
37.1412

■ 87.2809, 84.9533,
104.7952

■ 33.1458, 58.5352,
34.9604

■ 87.5881, 85.0761,
106.4127

Harmonies

Analogous

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



54.6091, 67.4392, 49.7988



51.6710, 67.4392, 64.9373



51.8810, 67.4392, 85.4643

Triad

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



51.6710, 67.4392, 64.9373



68.1738, 67.4392, 117.6547



73.8992, 67.4392, 48.3505

Complementary

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



51.6710, 67.4392, 64.9373



52.3071, 42.6585, 49.7355

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.



78.0986, 67.4392, 62.5817



51.6710, 67.4392, 64.9373



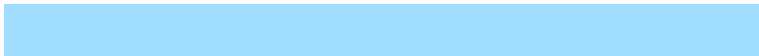
74.6290, 67.4392, 103.5560

Square

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



51.6710, 67.4392, 64.9373



61.0606, 67.4392, 118.6069



78.3751, 67.4392, 82.6323



67.2364, 67.4392, 41.4860

Rectangle

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



51.6710, 67.4392, 64.9373



53.7748, 67.4392, 99.6021



78.3751, 67.4392, 82.6323



75.6665, 67.4392, 52.2980

Sweetspot

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



51.6729, 67.4420, 64.9388



84.7436, 94.8647, 100.3840



53.5425, 68.9554, 40.1943



17.8507, 20.1617, 21.2383



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.



51.6729, 67.4420, 64.9388



60.6589, 82.9421, 76.9583



53.4084, 64.7401, 84.5474



14.5602, 16.2375, 17.2148



18.8259, 33.1625, 20.1156



1.4362, 2.4686, 1.7238

Inverse Universe

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



52.3071, 42.6585, 49.7355



61.5853, 46.9634, 54.9154



50.8388, 44.1639, 35.5516



14.6053, 14.4593, 16.1218



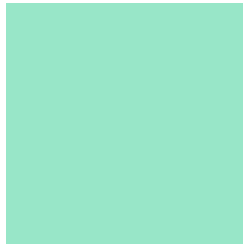
19.5386, 9.9497, 6.4654



1.4881, 0.7530, 0.7110

Previews

White Background



This preview shows how the XYZ color 51.6710, 67.4392, 64.9373 looks on a white background.

Color Contrast Check

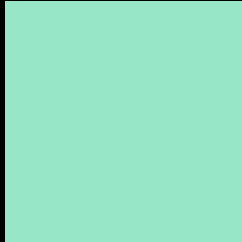
Large Text (above 18pt) WCAG AA × Fail

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 51.6710, 67.4392, 64.9373 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

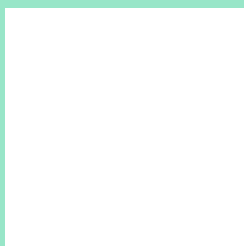
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.6710, 67.4392, 64.9373

Background



This preview shows how black text looks on a background with the XYZ color 51.6710, 67.4392, 64.9373.



This preview shows how white text looks on a background with the XYZ color 51.6710, 67.4392,

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

51.6710, 67.4392, 64.9373

Protanopia

63.3224, 66.8797, 58.8618

Deuteranopia

68.0158, 66.5549, 67.0192



Tritanopia

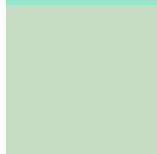
57.3806, 67.2992, 93.9702

Trichromacy



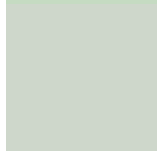
Original Color

51.6710, 67.4392, 64.9373



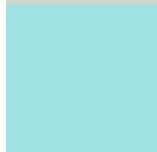
Protanomaly

58.0951, 66.4284, 60.7990



Deuteranomaly

60.5335, 66.0345, 66.0554



Tritanomaly

55.1620, 67.2079, 82.7381

Monochromacy



Original Color

51.6710, 67.4392, 64.9373



Achromatopsia

56.7640, 59.7202, 65.0353



Achromatomaly

54.2221, 62.0431, 64.9948

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.6710, 67.4392, 64.9373 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(152, 230, 200)` looks like.

```
.text, #text, p{  
    color:rgb(152, 230, 200)  
}
```

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(152, 230, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 230, 200) }
```

Border

The CSS property to change the border of an element to XYZ 51.6710, 67.4392, 64.9373 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(152, 230, 200) }
```


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

```
.border{ border-color:rgb(152, 230, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 230, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 230, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 230, 200);  
box-shadow:4px 4px 4px 4px rgb(152, 230,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 51.6710, 67.4392, 64.9373 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 230, 200) }
```

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

```
.background{ background-color: rgb(152,  
230, 200) }
```

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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