

Converting Colors

XYZ(49.0904, 63.2525, 76.7233)

Have a look what the booklet for
XYZ(49.0904, 63.2525, 76.7233)
contains.

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Color

**XYZ(49.1147, 63.4123,
76.6690)**

Conversions

Conversions Part 1

Format	Color
Hex	85E0DB
RGB	133, 224, 219
RGB Percent	52%, 88%, 86%
CMY	0.4784, 0.1216, 0.1412
CMYK	0.41, 0.00, 0.02, 0.12
HSL	177°, 59%, 70%
HSV	177°, 41%, 88%
XYZ	49.1147, 63.4123, 76.6690
YIQ	196.2210, -52.6310, -20.8470

Conversions

Conversions Part 2

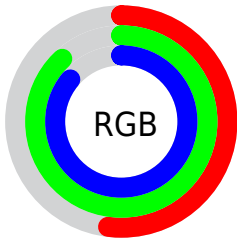
Format	Color
R _Y B	133, 180, 224
Decimal	8773851
CIE Lab	83.66, -28.33, -6.10
CIE LCh	84, 28.983, 192.159
Yxy	63.4123, 0.2596, 0.3352
Android (android.graphics.Color)	4286963931 (0xFF85E0DB)
YUV	196.2210, 11.2300, -55.4448
Hunter-Lab	79.6318, -29.2619, -1.3417

Details

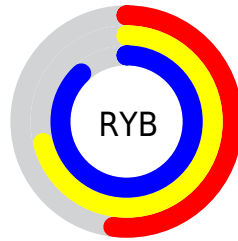
The XYZ color **49.1147, 63.4123, 76.6690** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **43.7176, 34.4592, 28.3942**, and the grayscale version is **52.5608, 55.2981, 60.2196**.

A 20% lighter version of the original color is **75.0452, 89.6871, 107.9638**, and **23.6840, 32.2221, 40.0932** is the 20% darker color. If you saturate the color by 10%, you get **45.7873, 61.7172, 75.6715**, and if you desaturate by 10%, it is **53.2011, 65.5017, 77.7111**.

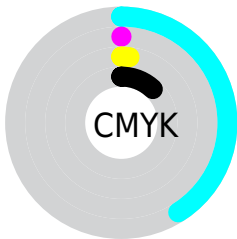
Distribution



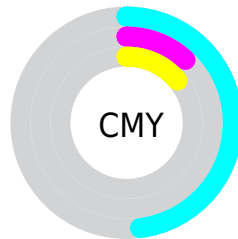
- Red (52%)
- Green (88%)
- Blue (86%)



- Red (52%)
- Yellow (71%)
- Blue (88%)



- Cyan (41%)
- Magenta (0%)
- Yellow (2%)
- Black (12%)



- Cyan (48%)
- Magenta (12%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.1147, 63.4123, 76.6690 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 49.1147, 63.4123, 76.6690 by changing the saturation by 10% instead.

49.1147, 63.4123,
76.6690

49.1147, 63.4123,
76.6690

373.7032,
437.0643, 503.0424

34.9254, 46.1748,
56.4713

88.0615, 109.7641,
130.4409

23.7716, 32.3838,
40.1744

113.5497,
139.6473, 164.8521

15.2881, 21.6548,
27.3597

143.5348,
174.5144, 204.8384

9.1095, 13.6035,
17.6087

178.3824,
214.7500, 250.8180

4.8703, 7.8454,
10.5029

218.4576,
260.7384, 303.2097

2.2054, 3.9962,
5.6237

264.1259,

0.7456, 1.6714,

312.8639, 362.4320

2.5526

315.7527,
371.5111, 428.9034

■ 0.0000, 0.4051,
0.8678

■ 0.0000, 0.0000,
0.0000

■ 49.1147, 63.4123,
76.6690

■ 49.1147, 63.4123,
76.6690

■ 45.7873, 61.7172,
75.6715

■ 53.2011, 65.5017,
77.7111

■ 43.1649, 60.3838,
74.7118


■ 58.0851, 68.0005,
78.7954


■ 41.1955, 59.3869,
73.7889


■ 63.8092, 70.9323,
79.9253


■ 39.8172, 58.6946,
72.8999

■ 70.4113, 74.3166,
81.1026


 38.9565, 58.2691,
72.0414


 77.9271, 78.1718,
82.3289

 38.5013, 58.0512,
71.2585

 81.6777, 80.0858,
83.3854

 81.8477, 80.1538,
84.2807

 82.0189, 80.2223,
85.1823

 82.1914, 80.2913,
86.0904

Harmonies

Analogous

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



49.3883, 63.4123, 58.8844



49.1147, 63.4123, 76.6690



51.6728, 63.4123, 95.2515

Triad

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



49.1147, 63.4123, 76.6690



68.8363, 63.4123, 98.3186



64.0870, 63.4123, 40.8406

Complementary

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



49.1147, 63.4123, 76.6690



43.7176, 34.4592, 28.3942

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.



69.7748, 63.4123, 48.1490



49.1147, 63.4123, 76.6690



72.6465, 63.4123, 80.3124

Square

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



49.1147, 63.4123, 76.6690



62.8778, 63.4123, 109.1423



73.0015, 63.4123, 61.9444



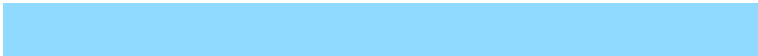
57.7382, 63.4123, 40.2122

Rectangle

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



49.1147, 63.4123, 76.6690



54.7516, 63.4123, 104.7775



73.0015, 63.4123, 61.9444



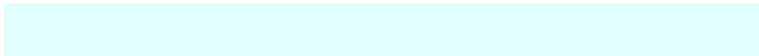
66.1504, 63.4123, 42.5292

Sweetspot

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



49.1166, 63.4148, 76.6705



84.4049, 94.5434, 106.9943



41.5498, 60.5020, 31.6799



17.8405, 20.1206, 22.8580



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.



49.1166, 63.4148, 76.6705



61.9373, 83.0553, 101.6807



40.3878, 44.8874, 77.0592



14.0823, 15.5587, 17.4688



22.4240, 33.7945, 41.5513



1.5644, 2.3465, 2.9332

Inverse Universe

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



43.7176, 34.4592, 28.3942



53.7388, 39.0424, 28.3399



49.8114, 47.2132, 28.6794



13.7376, 13.7127, 14.3885



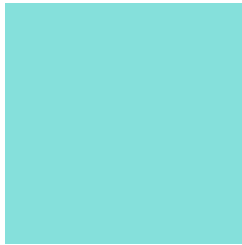
17.9462, 9.2455, 1.1164



1.2548, 0.6452, 0.1349

Previews

White Background



This preview shows how the XYZ color 49.1147, 63.4123, 76.6690 looks on a white background.

Color Contrast Check

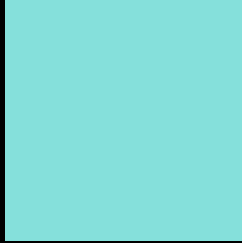
Large Text (above 18pt) WCAG AA × Fail

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 49.1147, 63.4123, 76.6690 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

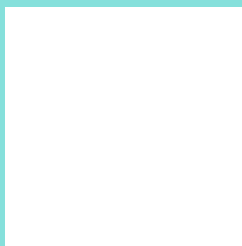
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.1147, 63.4123, 76.6690

Background



This preview shows how black text looks on a background with the XYZ color 49.1147, 63.4123, 76.6690.

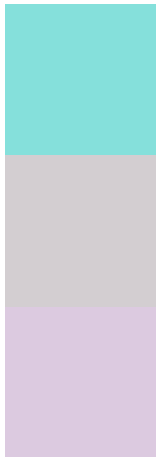


This preview shows how white text looks on a background with the XYZ color 49.1147, 63.4123,

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

49.1147, 63.4123, 76.6690

Protanopia

60.4439, 62.5949, 69.2179

Deuteranopia

64.0903, 62.8385, 79.2721



Tritanopia

51.9177, 63.3482, 91.1524

Trichromacy



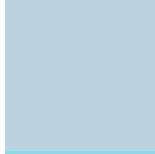
Original Color

49.1147, 63.4123, 76.6690



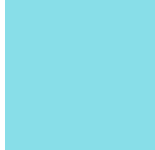
Protanomaly

55.3329, 62.4599, 72.0904



Deuteranomaly

56.9704, 62.0585, 78.0831



Tritanomaly

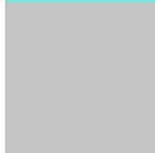
50.8401, 63.3030, 85.8831

Monochromacy



Original Color

49.1147, 63.4123, 76.6690



Achromatopsia

52.4687, 55.2011, 60.1140



Achromatomaly

50.2040, 57.3865, 65.5574

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.1147, 63.4123, 76.6690 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(133, 224, 219)` looks like.

```
.text, #text, p{  
    color:rgb(133, 224, 219)  
}
```

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(133, 224, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 224, 219) }
```

Border

The CSS property to change the border of an element to XYZ 49.1147, 63.4123, 76.6690 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(133, 224, 219) }
```


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

```
.border{ border-color:rgb(133, 224, 219) }
```

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

Here you see how a box with a 4 pixel rgb(133, 224, 219) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 224, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 224, 219);  
box-shadow:4px 4px 4px 4px rgb(133, 224,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 49.1147, 63.4123, 76.6690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 224, 219) }
```

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

```
.background{ background-color: rgb(133,  
224, 219) }
```

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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