

Converting Colors

XYZ(49.2392, 62.9528, 78.3790)

Have a look what the booklet for
XYZ(49.2392, 62.9528, 78.3790)
contains.

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Color

**XYZ(49.4040, 63.1176,
78.6863)**

Conversions

Conversions Part 1

Format	Color
Hex	86DFDE
RGB	134, 223, 222
RGB Percent	53%, 87%, 87%
CMY	0.4745, 0.1255, 0.1294
CMYK	0.40, 0.00, 0.00, 0.13
HSL	179°, 58%, 70%
HSV	179°, 40%, 87%
XYZ	49.4040, 63.1176, 78.6863
YIQ	196.2750, -52.7230, -19.1790

Conversions

Conversions Part 2

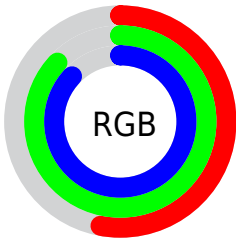
Format	Color
RYB	134, 179, 223
Decimal	8839134
CIELab	83.50, -26.88, -7.92
CIELCh	84, 28.022, 196.414
Yxy	63.1176, 0.2584, 0.3301
Android (android.graphics.Color)	4287029214 (0xFF86DFDE)
YUV	196.2750, 12.6824, -54.6152
Hunter-Lab	79.4466, -28.0310, -3.1100

Details

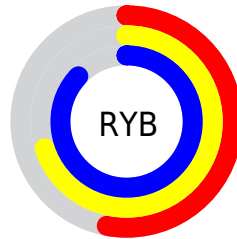
The XYZ color **49.4040, 63.1176, 78.6863** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **43.3319, 34.4893, 27.2972**, and the grayscale version is **52.5848, 55.3233, 60.2471**.

A 20% lighter version of the original color is **75.2959, 89.8164, 107.9755**, and **24.0383, 32.3731, 41.5409** is the 20% darker color. If you saturate the color by 10%, you get **46.1845, 61.4633, 78.3614**, and if you desaturate by 10%, it is **53.3767, 65.1632, 79.0495**.

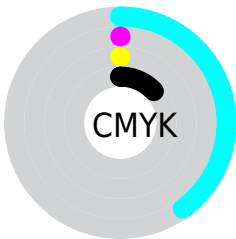
Distribution



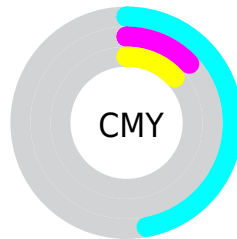
- Red (53%)
- Green (87%)
- Blue (87%)



- Red (53%)
- Yellow (70%)
- Blue (87%)



- Cyan (40%)
- Magenta (0%)
- Yellow (0%)
- Black (13%)



- Cyan (47%)
- Magenta (13%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.4040, 63.1176, 78.6863 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 49.4040, 63.1176, 78.6863 by changing the saturation by 10% instead.

■ 49.4040, 63.1176,
78.6863

■ 49.4040, 63.1176,
78.6863

374.8212,
435.9962, 510.0840

■ 35.1559, 45.9364,
58.1181

■ 88.4883, 109.3392,
133.3118

■ 23.9501, 32.1956,
41.4883

■ 114.0552,
139.1483, 168.2062

■ 15.4211, 21.5109,
28.3783

■ 144.1258,
173.9354, 208.7131

■ 9.2037, 13.4980,
18.3695

179.0655,
214.0851, 255.2511

■ 4.9325, 7.7724,
11.0434

219.2395,
259.9816, 308.2386

■ 2.2420, 3.9496,
5.9815

265.0132,

■ 0.7648, 1.6454,

312.0093, 368.0942

2.7652

316.7520,
370.5527, 435.2365

■ 0.0000, 0.3879,
0.9760

■ 0.0000, 0.0000,
0.0000

■ 49.4040, 63.1176,
78.6863

■ 49.4040, 63.1176,
78.6863

■ 46.1845, 61.4633,
78.3614

■ 53.3767, 65.1632,
79.0495

■ 43.6651, 60.1684,
78.0682

■ 58.1403, 67.6151,
79.4485

■ 41.7947, 59.2080,
77.8055

■ 63.7368, 70.4963,
79.8868

■ 40.5130, 58.5511,
77.5707

■ 70.2036, 73.8261,
80.3661

■ 39.7481, 58.1607,
77.3604

■ 77.5756, 77.6226,
80.8880

■ 39.3751, 57.9723,
77.1686

■ 81.0167, 79.3926,
81.2263

■ 39.3723, 57.9709,
77.1669

■ 81.0507, 79.4062,
81.4053

■ 81.0847, 79.4198,
81.5846

■ 81.1188, 79.4335,
81.7641

Harmonies

Analogous

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



49.2722, 63.1176, 61.1132



49.4040, 63.1176, 78.6863



52.2441, 63.1176, 96.1171

Triad

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



49.4040, 63.1176, 78.6863



68.9181, 63.1176, 94.6550



62.7962, 63.1176, 40.9125

Complementary

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



49.4040, 63.1176, 78.6863



43.3319, 34.4893, 27.2972

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.



68.4691, 63.1176, 47.1036



49.4040, 63.1176, 78.6863



72.1623, 63.1176, 76.9425

Square

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



49.4040, 63.1176, 78.6863



63.3758, 63.1176, 106.3539



71.9926, 63.1176, 59.6408



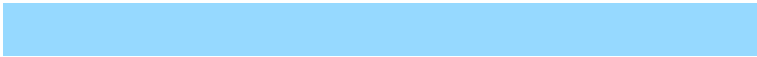
56.7296, 63.1176, 41.2177

Rectangle

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



49.4040, 63.1176, 78.6863



55.4083, 63.1176, 104.4377



71.9926, 63.1176, 59.6408



64.8205, 63.1176, 42.2509

Sweetspot

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



49.4059, 63.1201, 78.6878



84.6192, 94.6291, 108.1225



40.7623, 59.6902, 31.9286



17.8913, 20.1409, 23.1256



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.



49.4059, 63.1201, 78.6878



63.1987, 83.6056, 106.2550



39.4706, 43.0339, 76.0408



14.1096, 15.5696, 17.6123



23.1524, 34.0858, 45.3872



1.6070, 2.3635, 3.1575

Inverse Universe

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



43.3319, 34.4893, 27.2972



53.8744, 39.6464, 27.3594



50.4622, 48.8623, 29.3274



13.7135, 13.7030, 14.2614



17.9040, 9.2286, 0.8946



1.2432, 0.6406, 0.0738

Previews

White Background



This preview shows how the XYZ color 49.4040, 63.1176, 78.6863 looks on a white background.

Color Contrast Check

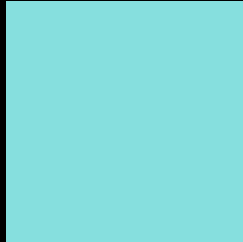
Large Text (above 18pt) WCAG AA × Fail

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 49.4040, 63.1176, 78.6863 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

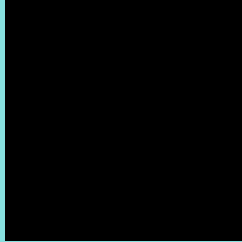
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

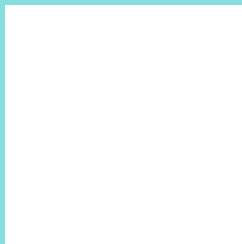
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.4040, 63.1176, 78.6863

Background



This preview shows how black text looks on a background with the XYZ color 49.4040, 63.1176, 78.6863.



This preview shows how white text looks on a background with the XYZ color 49.4040, 63.1176,

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

49.4040, 63.1176, 78.6863

Protanopia

60.2495, 62.4514, 71.1662

Deuteranopia

63.6652, 62.2248, 81.3281



Tritanopia

51.7703, 63.2892, 90.3764

Trichromacy



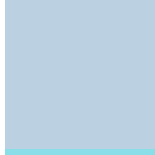
Original Color

49.4040, 63.1176, 78.6863



Protanomaly

55.2296, 61.9899, 74.0201



Deuteranomaly

56.8846, 61.6020, 80.1264



Tritanomaly

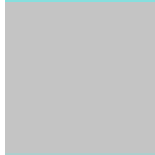
51.0033, 63.3871, 85.8907

Monochromacy



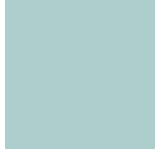
Original Color

49.4040, 63.1176, 78.6863



Achromatopsia

52.4687, 55.2011, 60.1140



Achromatomaly

50.3243, 57.4346, 66.1912

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.4040, 63.1176, 78.6863 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(134, 223, 222)` looks like.

```
.text, #text, p{  
    color:rgb(134, 223, 222)  
}
```

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(134, 223, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 223, 222) }
```

Border

The CSS property to change the border of an element to XYZ 49.4040, 63.1176, 78.6863 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(134, 223, 222) }
```


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

```
.border{ border-color:rgb(134, 223, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 223, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 223, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 223, 222);  
box-shadow:4px 4px 4px 4px rgb(134, 223,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 49.4040, 63.1176, 78.6863 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 223, 222) }
```

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

```
.background{ background-color: rgb(134,  
223, 222) }
```

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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