

Converting Colors

XYZ(49.2900, 64.3292, 78.5404)

Have a look what the booklet for
XYZ(49.2900, 64.3292, 78.5404)
contains.

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Color

**XYZ(49.1496, 64.2024,
78.2085)**

Conversions

Conversions Part 1

Format	Color
Hex	80E2DD
RGB	128, 226, 221
RGB Percent	50%, 89%, 87%
CMY	0.4980, 0.1137, 0.1333
CMYK	0.43, 0.00, 0.02, 0.11
HSL	177°, 63%, 69%
HSV	177°, 43%, 89%
XYZ	49.1496, 64.2024, 78.2085
YIQ	196.1280, -56.8030, -22.3310

Conversions

Conversions Part 2

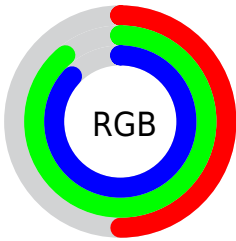
Format	Color
RYB	128, 178, 226
Decimal	8446685
CIELab	84.07, -30.01, -6.58
CIELCh	84, 30.727, 192.360
Yxy	64.2024, 0.2566, 0.3352
Android (android.graphics.Color)	4286636765 (0xFF80E2DD)
YUV	196.1280, 12.2619, -59.7483
Hunter-Lab	80.1264, -30.7292, -1.7824

Details

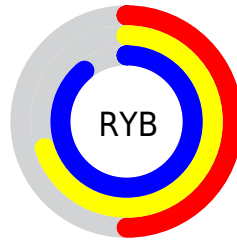
The XYZ color **49.1496, 64.2024, 78.2085** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **43.3190, 33.3024, 26.3374**, and the grayscale version is **52.5009, 55.2350, 60.1509**.

A 20% lighter version of the original color is **74.0597, 89.1791, 107.9177**, and **23.7119, 32.7678, 41.1515** is the 20% darker color. If you saturate the color by 10%, you get **45.9688, 62.5819, 77.2614**, and if you desaturate by 10%, it is **53.0923, 66.2186, 79.1996**.

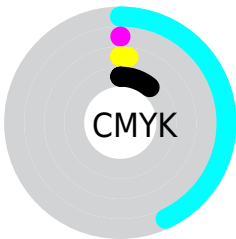
Distribution



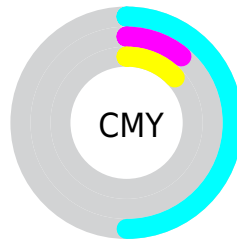
- Red (50%)
- Green (89%)
- Blue (87%)



- Red (50%)
- Yellow (70%)
- Blue (89%)



- Cyan (43%)
- Magenta (0%)
- Yellow (2%)
- Black (11%)



- Cyan (50%)
- Magenta (11%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.1496, 64.2024, 78.2085 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 49.1496, 64.2024, 78.2085 by changing the saturation by 10% instead.

49.1496, 64.2024,
78.2085

49.1496, 64.2024,
78.2085

373.8382,
439.9202, 508.4213

34.9532, 46.8146,
57.7278

88.1130, 110.9024,
132.6325

23.7932, 32.8891,
41.1766

113.6107,
140.9834, 167.4130

15.3042, 22.0415,
28.1364

143.6062,
176.0642, 207.7971

9.1208, 13.8874,
18.1885

178.4648,
216.5293, 254.2033

4.8778, 8.0424,
10.9146

218.5520,
262.7631, 307.0504

2.2098, 4.1221,
5.8960

264.2330,

0.7479, 1.7421,

315.1499, 366.7567

2.7142

315.8733,
374.0741, 433.7408

■ 0.0000, 0.4507,
0.9505

■ 0.0000, 0.0000,
0.0000

■ 49.1496, 64.2024,
78.2085

■ 49.1496, 64.2024,
78.2085

■ 45.9688, 62.5819,
77.2614

■ 53.0923, 66.2186,
79.1996

■ 43.4934, 61.3233,
76.3513


■ 57.8373, 68.6469,
80.2324


■ 41.6681, 60.3998,
75.4772


■ 63.4291, 71.5115,
81.3103


■ 40.4270, 59.7773,
74.6360


■ 69.9072, 74.8328,
82.4353


 39.6903, 59.4148,
73.8237


 77.3085, 78.6300,
83.6090

 39.3949, 59.2738,
73.2967

 82.4304, 81.2520,
84.6817

 82.5910, 81.3163,
85.5277

 82.7528, 81.3810,
86.3794

 82.9156, 81.4461,
87.2367

Harmonies

Analogous

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



49.4193, 64.2024, 59.1873



49.1496, 64.2024, 78.2085



51.8844, 64.2024, 98.2106

Triad

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



49.1496, 64.2024, 78.2085



70.2377, 64.2024, 101.2943



65.0603, 64.2024, 40.0122

Complementary

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



49.1496, 64.2024, 78.2085



43.3190, 33.3024, 26.3374

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.



71.1749, 64.2024, 47.6396



49.1496, 64.2024, 78.2085



74.3130, 64.2024, 81.8453

Square

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



49.1496, 64.2024, 78.2085



63.8566, 64.2024, 113.1029



74.6682, 64.2024, 62.2120



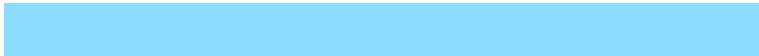
58.2734, 64.2024, 39.4014

Rectangle

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



49.1496, 64.2024, 78.2085



55.1702, 64.2024, 108.4859



74.6682, 64.2024, 62.2120



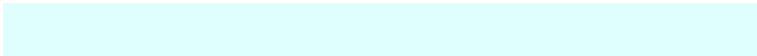
67.2745, 64.2024, 41.7648

Sweetspot

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



49.1515, 64.2049, 78.2100



83.6170, 94.1374, 106.9491



41.0114, 61.0661, 30.0489



17.5251, 19.9585, 22.8229



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.



49.1515, 64.2049, 78.2100



60.8220, 82.4785, 101.7097



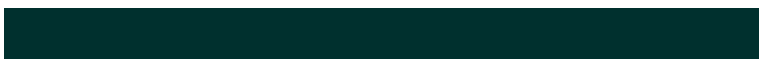
39.6752, 44.1698, 78.3889



14.0848, 15.5596, 17.4816



22.4877, 33.8199, 41.8868



1.5681, 2.3480, 2.9529

Inverse Universe

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



43.3190, 33.3024, 26.3374



52.2224, 36.8670, 25.1912



49.7249, 46.6542, 26.8078



13.7355, 13.7118, 14.3771



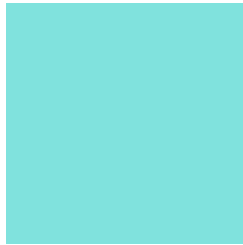
17.9424, 9.2440, 1.0965



1.2538, 0.6448, 0.1294

Previews

White Background



This preview shows how the XYZ color 49.1496, 64.2024, 78.2085 looks on a white background.

Color Contrast Check

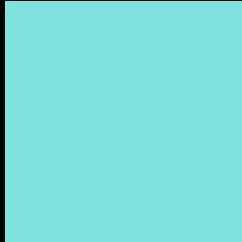
Large Text (above 18pt) WCAG AA × Fail

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 49.1496, 64.2024, 78.2085 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

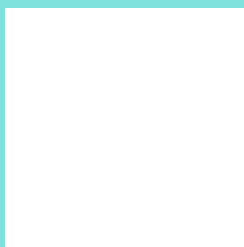
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.1496, 64.2024, 78.2085

Background



This preview shows how black text looks on a background with the XYZ color 49.1496, 64.2024, 78.2085.

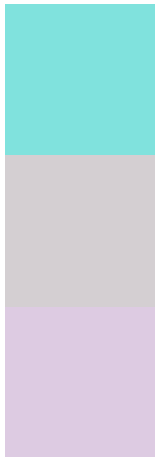


This preview shows how white text looks on a background with the XYZ color 49.1496, 64.2024,

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

49.1496, 64.2024, 78.2085

Protanopia

61.0971, 63.2758, 69.9661

Deuteranopia

64.9022, 63.5750, 80.8020



Tritanopia

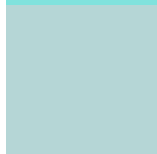
52.0964, 64.1946, 92.8641

Trichromacy



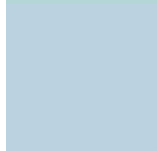
Original Color

49.1496, 64.2024, 78.2085



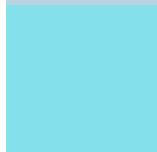
Protanomaly

55.2402, 62.7719, 72.8231



Deuteranomaly

57.2423, 62.5351, 79.5745



Tritanomaly

51.0227, 64.1574, 87.5363

Monochromacy



Original Color

49.1496, 64.2024, 78.2085



Achromatopsia

52.4687, 55.2011, 60.1140



Achromatomaly

50.1269, 57.6914, 66.2512

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.1496, 64.2024, 78.2085 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(128, 226, 221)` looks like.

```
.text, #text, p{  
    color:rgb(128, 226, 221)  
}
```

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(128, 226, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 226, 221) }
```

Border

The CSS property to change the border of an element to XYZ 49.1496, 64.2024, 78.2085 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(128, 226, 221) }
```


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

```
.border{ border-color:rgb(128, 226, 221) }
```

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

Here you see how a box with a 4 pixel rgb(128, 226, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 226, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 226, 221);  
box-shadow:4px 4px 4px 4px rgb(128, 226,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 49.1496, 64.2024, 78.2085 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 226, 221) }
```

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

```
.background{ background-color: rgb(128,  
226, 221) }
```

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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