

Converting Colors

XYZ(49.6676, 66.2836, 77.9859)

Have a look what the booklet for
XYZ(49.6676, 66.2836, 77.9859)
contains.

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Color

**XYZ(49.5273, 66.0460,
77.8479)**

Conversions

Conversions Part 1

Format	Color
Hex	7CE6DC
RGB	124, 230, 220
RGB Percent	49%, 90%, 86%
CMY	0.5137, 0.0980, 0.1372
CMYK	0.46, 0.00, 0.04, 0.10
HSL	174°, 68%, 69%
HSV	174°, 46%, 90%
XYZ	49.5273, 66.0460, 77.8479
YIQ	197.1660, -59.9660, -25.5820

Conversions

Conversions Part 2

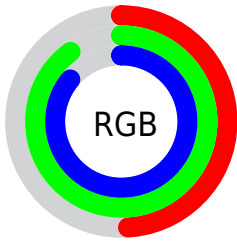
Format	Color
RYB	124, 180, 230
Decimal	8185564
CIELab	85.02, -33.08, -4.67
CIELCh	85, 33.407, 188.028
Yxy	66.0460, 0.2561, 0.3415
Android (android.graphics.Color)	4286375644 (0xFF7CE6DC)
YUV	197.1660, 11.2572, -64.1666
Hunter-Lab	81.2687, -33.4376, 0.0937

Details

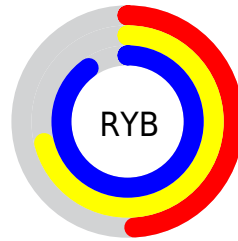
The XYZ color **49.5273, 66.0460, 77.8479** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **44.1462, 32.9616, 26.5923**, and the grayscale version is **53.1330, 55.9000, 60.8751**.

A 20% lighter version of the original color is **73.1014, 88.6851, 107.8728**, and **24.0419, 34.0787, 40.9080** is the 20% darker color. If you saturate the color by 10%, you get **46.2980, 64.4158, 76.2073**, and if you desaturate by 10%, it is **53.5393, 68.0824, 79.5475**.

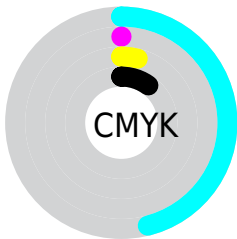
Distribution



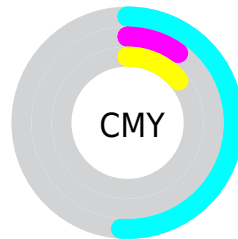
- Red (49%)
- Green (90%)
- Blue (86%)



- Red (49%)
- Yellow (71%)
- Blue (90%)



- Cyan (46%)
- Magenta (0%)
- Yellow (4%)
- Black (10%)



- Cyan (51%)
- Magenta (10%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.5273, 66.0460, 77.8479 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 49.5273, 66.0460, 77.8479 by changing the saturation by 10% instead.

■ 49.5273, 66.0460,
77.8479

■ 49.5273, 66.0460,
77.8479

375.2971,
446.5414, 507.1644

■ 35.2542, 48.3097,
57.4333

■ 88.6701, 113.5524,
132.1196

■ 24.0262, 34.0722,
40.9416

■ 114.2706,
144.0912, 166.8138

■ 15.4779, 22.9491,
27.9541

■ 144.3775,
179.6665, 207.1050

■ 9.2440, 14.5559,
18.0523

179.3563,
220.6624, 253.4117

■ 4.9590, 8.5083,
10.8177

219.5723,
267.4635, 306.1524

■ 2.2578, 4.4219,
5.8318

265.3909,

■ 0.7729, 1.9123,

320.4541, 365.7458

2.6759

317.1774,
380.0186, 432.6102

■ 0.0000, 0.5557,
0.9313

■ 0.0000, 0.0000,
0.0000

■ 49.5273, 66.0460,
77.8479

■ 49.5273, 66.0460,
77.8479

■ 46.2980, 64.4158,
76.2073

■ 53.5393, 68.0824,
79.5475

■ 43.7910, 63.1560,
74.6184


■ 58.3777, 70.5428,
81.3039


■ 41.9462, 62.2371,
73.0799


■ 64.0896, 73.4532,
83.1209


■ 40.6917, 61.6221,
71.5883


■ 70.7173, 76.8351,
85.0003


 39.9378, 61.2647,
70.1392


 78.2998, 80.7089,
86.9443

 39.7200, 61.1646,
69.5809

 84.2492, 83.7403,
88.8316

 84.5613, 83.8651,
90.4751

 84.8773, 83.9915,
92.1387

 85.1970, 84.1194,
93.8225

Harmonies

Analogous

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



50.3065, 66.0460, 57.5152



49.5273, 66.0460, 77.8479



52.0676, 66.0460, 100.5350

Triad

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



49.5273, 66.0460, 77.8479



72.1029, 66.0460, 109.6802



68.3373, 66.0460, 39.9601

Complementary

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



49.5273, 66.0460, 77.8479



44.1462, 32.9616, 26.5923

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.



74.8575, 66.0460, 49.3148



49.5273, 66.0460, 77.8479



77.1496, 66.0460, 88.5326

Square

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



49.5273, 66.0460, 77.8479



64.8142, 66.0460, 121.1609



78.1959, 66.0460, 66.2874



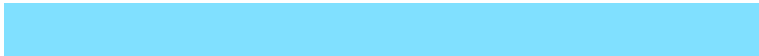
60.7785, 66.0460, 38.2284

Rectangle

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



49.5273, 66.0460, 77.8479



55.4308, 66.0460, 113.0361



78.1959, 66.0460, 66.2874



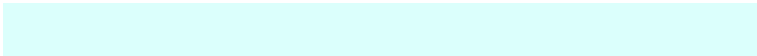
70.7402, 66.0460, 42.2123

Sweetspot

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



49.5292, 66.0486, 77.8494



82.5761, 93.6316, 105.5099



41.8644, 63.1693, 29.0568



17.3080, 19.8540, 22.4747



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.



49.5292, 66.0486, 77.8494



58.7892, 81.5447, 96.4613



40.4951, 45.7964, 81.5710



14.7457, 16.3117, 18.1917



22.5111, 34.6366, 39.5216



1.6807, 2.5664, 3.0110

Inverse Universe

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



44.1462, 32.9616, 26.5923



51.2375, 35.0226, 24.4762



49.9826, 45.6987, 25.2567



14.4320, 14.3900, 15.2091



18.5750, 9.5642, 1.3910



1.3916, 0.7144, 0.2027

Previews

White Background



This preview shows how the XYZ color 49.5273, 66.0460, 77.8479 looks on a white background.

Color Contrast Check

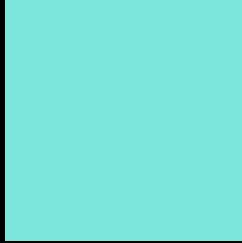
Large Text (above 18pt) WCAG AA × Fail

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 49.5273, 66.0460, 77.8479 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

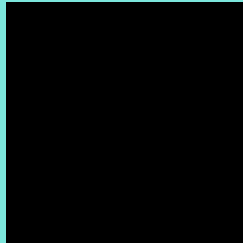
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

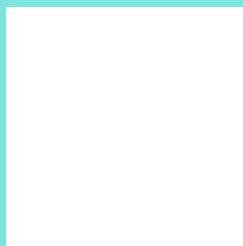
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.5273, 66.0460, 77.8479

Background



This preview shows how black text looks on a background with the XYZ color 49.5273, 66.0460, 77.8479.

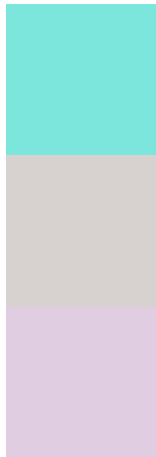


This preview shows how white text looks on a background with the XYZ color 49.5273, 66.0460,

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

49.5273, 66.0460, 77.8479

Protanopia

62.4561, 65.0943, 68.9472

Deuteranopia

66.4733, 65.1064, 80.2974



Tritanopia

53.0379, 65.8106, 96.2935

Trichromacy



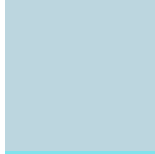
Original Color

49.5273, 66.0460, 77.8479



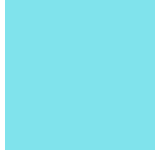
Protanomaly

55.9879, 64.3243, 71.7523



Deuteranomaly

58.1049, 64.1122, 79.1245



Tritanomaly

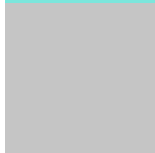
51.5115, 65.5835, 89.3008

Monochromacy



Original Color

49.5273, 66.0460, 77.8479



Achromatopsia

53.0703, 55.8340, 60.8033



Achromatomaly

50.3975, 58.5548, 66.4036

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.5273, 66.0460, 77.8479 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(124, 230, 220)` looks like.

```
.text, #text, p{  
    color:rgb(124, 230, 220)  
}
```

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(124, 230, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 230, 220) }
```

Border

The CSS property to change the border of an element to XYZ 49.5273, 66.0460, 77.8479 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(124, 230, 220) }
```


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

```
.border{ border-color:rgb(124, 230, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 230, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 230, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 230, 220);  
box-shadow:4px 4px 4px 4px rgb(124, 230,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 49.5273, 66.0460, 77.8479 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 230, 220) }
```

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

```
.background{ background-color: rgb(124,  
230, 220) }
```

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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