

Converting Colors

XYZ(49.4554, 65.9923, 75.2773)

Have a look what the booklet for
XYZ(49.4554, 65.9923, 75.2773)
contains.

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Color

**XYZ(49.4439, 66.0635,
75.1113)**

Conversions

Conversions Part 1

Format	Color
Hex	7FE6D8
RGB	127, 230, 216
RGB Percent	50%, 90%, 85%
CMY	0.5019, 0.0980, 0.1529
CMYK	0.45, 0.00, 0.06, 0.10
HSL	172°, 67%, 70%
HSV	172°, 45%, 90%
XYZ	49.4439, 66.0635, 75.1113
YIQ	197.6070, -56.8940, -26.1900

Conversions

Conversions Part 2

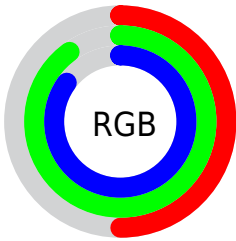
Format	Color
RYB	127, 182, 230
Decimal	8382168
CIELab	85.03, -33.34, -2.53
CIELCh	85, 33.439, 184.338
Yxy	66.0635, 0.2594, 0.3466
Android (android.graphics.Color)	4286572248 (0xFF7FE6D8)
YUV	197.6070, 9.0677, -61.9223
Hunter-Lab	81.2795, -33.6540, 2.1050

Details

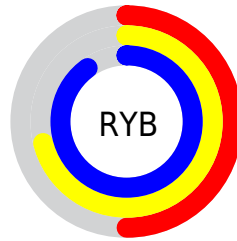
The XYZ color **49.4439, 66.0635, 75.1113** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **45.0325, 33.9268, 29.3769**, and the grayscale version is **53.4112, 56.1927, 61.1938**.

A 20% lighter version of the original color is **73.8176, 89.0543, 107.9063**, and **23.9530, 34.0743, 39.0327** is the 20% darker color. If you saturate the color by 10%, you get **46.0016, 64.3368, 72.8613**, and if you desaturate by 10%, it is **53.6795, 68.2015, 77.4415**.

Distribution



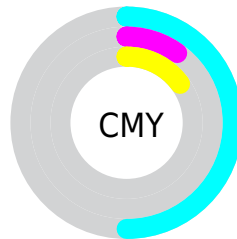
- Red (50%)
- Green (90%)
- Blue (85%)



- Red (50%)
- Yellow (71%)
- Blue (90%)



- Cyan (45%)
- Magenta (0%)
- Yellow (6%)
- Black (10%)





- Cyan (50%)
- Magenta (10%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.4439, 66.0635, 75.1113 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 49.4439, 66.0635, 75.1113 by changing the saturation by 10% instead.

 49.4439, 66.0635,
75.1113


 49.4439, 66.0635,
75.1113


374.9753,
446.6039, 497.5657


 35.1877, 48.3240,
55.2018


 88.5471, 113.5775,
128.2184

 23.9747, 34.0835,
39.1636


 114.1249,
144.1207, 162.2532

 15.4395, 22.9578,
26.5782


 144.2073,
179.7006, 201.8334

 9.2167, 14.5623,
17.0271

179.1596,
220.7015, 247.3776

 4.9411, 8.5128,
10.0916

219.3472,
267.5079, 299.3044

 2.2471, 4.4248,
5.3534

265.1354,

 0.7674, 1.9139,

320.5042, 358.0323

2.3937

316.8897,
380.0748, 423.9799

■ 0.0000, 0.5567,
0.7830

■ 0.0000, 0.0000,
0.0000

■ 49.4439, 66.0635,
75.1113

■ 49.4439, 66.0635,
75.1113

■ 46.0016, 64.3368,
72.8613

■ 53.6795, 68.2015,
77.4415

■ 43.2930, 62.9859,
70.6841


■ 58.7516, 70.7682,
79.8498

■ 41.2592, 61.9819,
68.5782


■ 64.7070, 73.7894,
82.3400


■ 39.8297, 61.2886,
66.5400


■ 71.5874, 77.2865,
84.9144


 38.9179, 60.8613,
64.5654


 79.4317, 81.2796,
87.5748

 38.5761, 60.7071,
63.5568

 84.4990, 83.8402,
90.1466

 84.9542, 84.0223,
92.5439

 85.4175, 84.2076,
94.9832

 85.8887, 84.3961,
97.4648

Harmonies

Analogous

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



50.6346, 66.0635, 55.4417



49.4439, 66.0635, 75.1113



51.5885, 66.0635, 97.9218

Triad

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



49.4439, 66.0635, 75.1113



71.3093, 66.0635, 111.8482



69.2663, 66.0635, 40.6797

Complementary

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



49.4439, 66.0635, 75.1113



45.0325, 33.9268, 29.3769

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.



75.5089, 66.0635, 51.0030



49.4439, 66.0635, 75.1113



76.7530, 66.0635, 91.4051

Square

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



49.4439, 66.0635, 75.1113



63.8919, 66.0635, 121.6523



78.3477, 66.0635, 68.8436



61.7035, 66.0635, 38.0264

Rectangle

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



49.4439, 66.0635, 75.1113



54.7301, 66.0635, 111.1130



78.3477, 66.0635, 68.8436



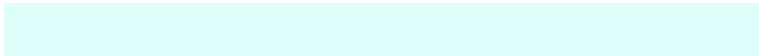
71.6077, 66.0635, 43.2504

Sweetspot

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



49.4458, 66.0661, 75.1128



83.1711, 93.9590, 104.6010



43.3624, 63.9193, 30.1323



17.4138, 19.9139, 22.2366



0.0000, 0.0000, 0.0000



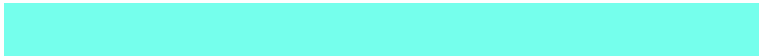
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



49.4458, 66.0661, 75.1128



58.3176, 81.3952, 92.2078



42.3181, 48.7888, 82.0526



14.7187, 16.3009, 18.0496



21.8723, 34.3810, 36.1575



1.6397, 2.5500, 2.7952

Inverse Universe

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



45.0325, 33.9268, 29.3769



52.0816, 35.8307, 27.4709



49.5722, 44.5697, 26.0702



14.4564, 14.3997, 15.3377



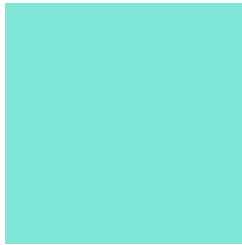
18.6427, 9.5913, 1.7475



1.4032, 0.7190, 0.2639

Previews

White Background



This preview shows how the XYZ color 49.4439, 66.0635, 75.1113 looks on a white background.

Color Contrast Check

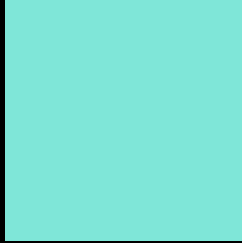
Large Text (above 18pt) WCAG AA × Fail

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 49.4439, 66.0635, 75.1113 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

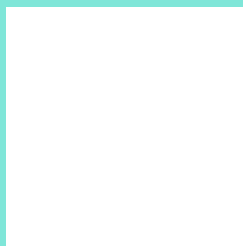
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.4439, 66.0635, 75.1113

Background



This preview shows how black text looks on a background with the XYZ color 49.4439, 66.0635, 75.1113.

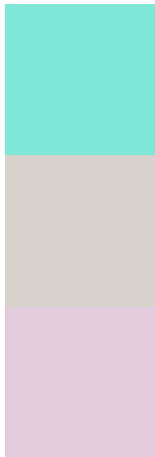


This preview shows how white text looks on a background with the XYZ color 49.4439, 66.0635,

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

49.4439, 66.0635, 75.1113

Protanopia

62.3849, 65.0999, 67.0351

Deuteranopia

66.5610, 65.2140, 77.4860



Tritanopia

53.5172, 66.0753, 95.5211

Trichromacy



Original Color

49.4439, 66.0635, 75.1113



Protanomaly

56.0886, 64.4195, 69.7996



Deuteranomaly

58.3186, 64.2840, 76.3522



Tritanomaly

51.8361, 65.7842, 87.8075

Monochromacy



Original Color

49.4439, 66.0635, 75.1113



Achromatopsia

53.6758, 56.4712, 61.4971



Achromatomaly

51.0793, 59.2716, 66.5060

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.4439, 66.0635, 75.1113 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(127, 230, 216)` looks like.

```
.text, #text, p{  
    color:rgb(127, 230, 216)  
}
```

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(127, 230, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 230, 216) }
```

Border

The CSS property to change the border of an element to XYZ 49.4439, 66.0635, 75.1113 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(127, 230, 216) }
```


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

```
.border{ border-color:rgb(127, 230, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 230, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 230, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 230, 216);  
box-shadow:4px 4px 4px 4px rgb(127, 230,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 49.4439, 66.0635, 75.1113 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 230, 216) }
```

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

```
.background{ background-color: rgb(127,  
230, 216) }
```

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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