

Converting Colors

XYZ(49.4062, 65.6250, 84.5582)

Have a look what the booklet for
XYZ(49.4062, 65.6250, 84.5582)
contains.

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Color

**XYZ(49.3725, 65.3966,
84.8835)**

Conversions

Conversions Part 1

Format	Color
Hex	73E5E6
RGB	115, 229, 230
RGB Percent	45%, 90%, 90%
CMY	0.5490, 0.1019, 0.0980
CMYK	0.50, 0.00, 0.00, 0.10
HSL	181°, 70%, 68%
HSV	181°, 50%, 90%
XYZ	49.3725, 65.3966, 84.8835
YIQ	195.0280, -68.2650, -23.8570

Conversions

Conversions Part 2

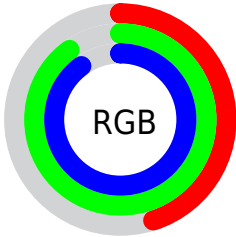
Format	Color
RYB	115, 172, 230
Decimal	7595494
CIELab	84.69, -32.07, -10.47
CIELCh	85, 33.733, 198.084
Yxy	65.3966, 0.2473, 0.3276
Android (android.graphics.Color)	4285785574 (0xFF73E5E6)
YUV	195.0280, 17.2412, -70.1846
Hunter-Lab	80.8682, -32.5396, -5.6262

Details

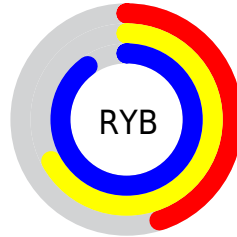
The XYZ color **49.3725, 65.3966, 84.8835** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **41.9743, 30.5528, 19.9064**, and the grayscale version is **51.8199, 54.5186, 59.3708**.

A 20% lighter version of the original color is **71.4892, 87.8540, 107.7974**, and **23.9481, 33.6353, 45.7875** is the 20% darker color. If you saturate the color by 10%, you get **46.6625, 63.9191, 84.7423**, and if you desaturate by 10%, it is **52.8409, 67.2682, 85.0631**.

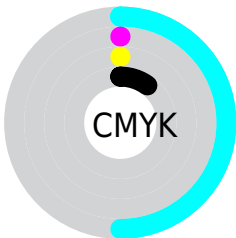
Distribution



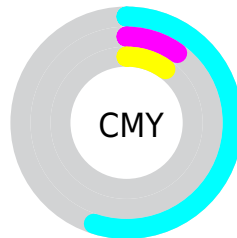
- Red (45%)
- Green (90%)
- Blue (90%)



- Red (45%)
- Yellow (67%)
- Blue (90%)



- Cyan (50%)
- Magenta (0%)
- Yellow (0%)
- Black (10%)





- Cyan (55%)
- Magenta (10%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.3725, 65.3966, 84.8835 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 49.3725, 65.3966, 84.8835 by changing the saturation by 10% instead.


 49.3725, 65.3966,
84.8835


 49.3725, 65.3966,
84.8835


374.6996,
444.2158, 531.3770


 35.1308, 47.7827,
63.1955


 88.4418, 112.6199,
142.0831

 23.9306, 33.6549,
45.5574

 114.0002,
142.9980, 178.4318

 15.4066, 22.6286,
31.5506


 144.0615,
178.3998, 220.5046

 9.1934, 14.3195,
20.7565

178.9911,
219.2095, 268.7198

 4.9257, 8.3432,
12.7566

219.1544,
265.8116, 323.4961

 2.2380, 4.3153,
7.1324

264.9166,

 0.7627, 1.8515,

318.5904, 385.2521

3.4653

316.6433,
377.9303, 454.4062

■ 0.0000, 0.5190,
1.3369

■ 0.0000, 0.0000,
0.0917

■ 49.3725, 65.3966,
84.8835

■ 49.3725, 65.3966,
84.8835

■ 46.6625, 63.9191,
84.7423

■ 52.8409, 67.2682,
85.0631

■ 44.6478, 62.7986,
84.6322


■ 57.1132, 69.5528,
85.2789


■ 43.2650, 62.0041,
84.5517


■ 62.2381, 72.2770,
85.5346


■ 42.4365, 61.4953,
84.4972


■ 68.2588, 75.4631,
85.8323


 42.0282, 61.2032,
84.4623


 75.2156, 79.1319,
86.1737

 42.0281, 61.2032,
84.4623

 83.1464, 83.3028,
86.5608

 83.9316, 83.7902,
86.6135

 83.9873, 83.9016,
86.6321

 84.0431, 84.0132,
86.6507

Harmonies

Analogous

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



49.0271, 65.3966, 62.9742



49.3725, 65.3966, 84.8835



52.9690, 65.3966, 106.7755

Triad

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



49.3725, 65.3966, 84.8835



73.5786, 65.3966, 102.6913



65.1985, 65.3966, 37.8235

Complementary

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



49.3725, 65.3966, 84.8835



41.9743, 30.5528, 19.9064

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.



72.3515, 65.3966, 44.5686



49.3725, 65.3966, 84.8835



77.4450, 65.3966, 80.1251

Square

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



49.3725, 65.3966, 84.8835



66.7660, 65.3966, 118.4024



76.9785, 65.3966, 59.0824



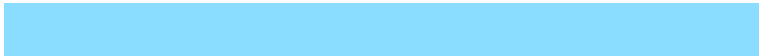
57.7661, 65.3966, 38.5868

Rectangle

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



49.3725, 65.3966, 84.8835



56.9031, 65.3966, 117.0748



76.9785, 65.3966, 59.0824



67.7258, 65.3966, 39.2213

Sweetspot

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



49.3745, 65.3991, 84.8850



82.2452, 93.2418, 108.2704



38.4631, 61.4777, 26.0606



17.2647, 19.7780, 23.1575



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.



49.3745, 65.3991, 84.8850



58.8674, 80.7206, 107.0857



36.2027, 39.0556, 80.4945



14.7962, 16.3138, 18.5134



23.7987, 34.6594, 47.8188



1.7621, 2.5682, 3.5348

Inverse Universe

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



52.9084, 34.7434, 78.0490



63.8283, 37.8975, 97.4418



50.5770, 47.7583, 22.7740



14.9895, 14.6130, 18.1449



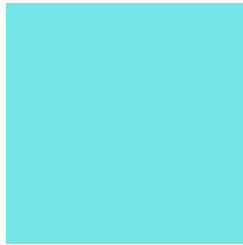
26.4060, 12.6966, 42.6283



1.9531, 0.9389, 3.1593

Previews

White Background



This preview shows how the XYZ color 49.3725, 65.3966, 84.8835 looks on a white background.

Color Contrast Check

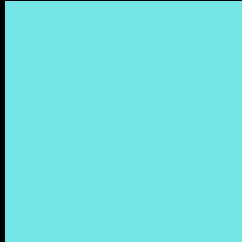
Large Text (above 18pt) WCAG AA × Fail

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 49.3725, 65.3966, 84.8835 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

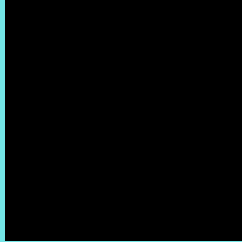
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.3725, 65.3966, 84.8835

Background



This preview shows how black text looks on a background with the XYZ color 49.3725, 65.3966, 84.8835.

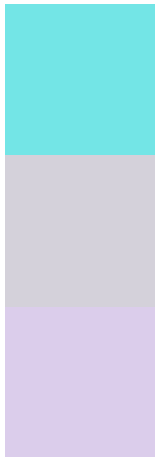


This preview shows how white text looks on a background with the XYZ color 49.3725, 65.3966,

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

49.3725, 65.3966, 84.8835

Protanopia

62.6067, 64.6599, 75.5106

Deuteranopia

66.0401, 64.7209, 87.6089



Tritanopia

51.6962, 65.5238, 96.3089

Trichromacy



Original Color

49.3725, 65.3966, 84.8835

Protanomaly

55.8721, 63.7328, 78.4641

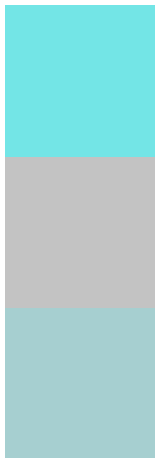
Deuteranomaly

57.8106, 63.8001, 86.3585

Tritanomaly

50.9428, 65.6296, 92.4209

Monochromacy



Original Color

49.3725, 65.3966, 84.8835

Achromatopsia

51.8711, 54.5724, 59.4294

Achromatomaly

49.4239, 57.2867, 68.1270

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.3725, 65.3966, 84.8835 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(115, 229, 230)` looks like.

```
.text, #text, p{  
    color:rgb(115, 229, 230)  
}
```

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(115, 229, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 229, 230) }
```

Border

The CSS property to change the border of an element to XYZ 49.3725, 65.3966, 84.8835 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(115, 229, 230) }
```


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

```
.border{ border-color:rgb(115, 229, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 229, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 229, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 229, 230);  
box-shadow:4px 4px 4px 4px rgb(115, 229,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 49.3725, 65.3966, 84.8835 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 229, 230) }
```

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

```
.background{ background-color: rgb(115,  
229, 230) }
```

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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