

# Converting Colors

XYZ(48.4083, 65.6568, 97.3244)

Have a look what the booklet for  
XYZ(48.4083, 65.6568, 97.3244)  
contains.

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# Color

**XYZ(48.2710, 65.3834,  
97.2649)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4DE7F6
RGB	77, 231, 246
RGB Percent	30%, 91%, 96%
CMY	0.6980, 0.0941, 0.0353
CMYK	0.69, 0.06, 0.00, 0.04
HSL	185°, 90%, 63%
HSV	185°, 69%, 96%
XYZ	48.2710, 65.3834, 97.2649
YIQ	186.6640, -96.5990, -27.9830

# Conversions

## Conversions Part 2

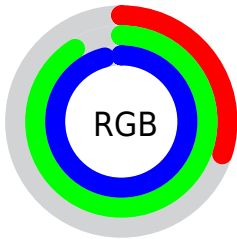
Format	Color
<a href="#">RYB</a>	<a href="#">77, 158, 246</a>
Decimal	<a href="#">5105654</a>
CIELab	<a href="#">84.68, -35.05, -19.03</a>
CIELCh	<a href="#">85, 39.882, 208.499</a>
Yxy	<a href="#">65.3834, 0.2289, 0.3100</a>
Android (android.graphics.Color)	<a href="#">4283295734 (0xFF4DE7F6)</a>
YUV	<a href="#">186.6640, 29.2526, -96.1753</a>
Hunter-Lab	<a href="#">80.8600, -34.9458, -14.7168</a>

# Details

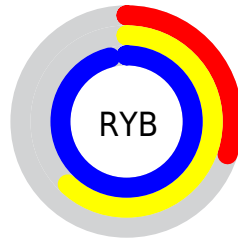
The XYZ color **48.2710, 65.3834, 97.2649** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **43.1744, 27.7848, 10.1105**, and the grayscale version is **46.9269, 49.3707, 53.7647**.

A 20% lighter version of the original color is **65.6641, 84.8510, 107.5248**, and **24.6242, 34.3776, 54.0529** is the 20% darker color. If you saturate the color by 10%, you get **46.0417, 63.3340, 96.9880**, and if you desaturate by 10%, it is **51.2620, 67.8395, 97.5826**.

# Distribution



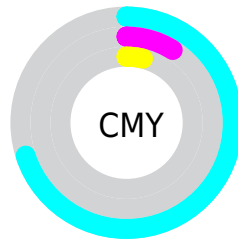
- Red (30%)
- Green (91%)
- Blue (96%)



- Red (30%)
- Yellow (62%)
- Blue (96%)



- Cyan (69%)
- Magenta (6%)
- Yellow (0%)
- Black (4%)




- Cyan (70%)
- Magenta (9%)
- Yellow (4%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 48.2710, 65.3834, 97.2649 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 48.2710, 65.3834, 97.2649 by changing the saturation by 10% instead.





 48.2710, 65.3834,  
97.2649


 48.2710, 65.3834,  
97.2649


370.4300,  
444.1685, 572.5592


 34.2537, 47.7720,  
73.4142


 86.8150, 112.6009,  
159.4124


 23.2524, 33.6464,  
53.8208


 112.0724,  
142.9758, 198.5462

 14.9017, 22.6221,  
38.0662


 141.8073,  
178.3740, 243.6115

 8.8363, 14.3147,  
25.7319

 176.3849,  
219.1799, 295.0269

 4.6908, 8.3399,  
16.3992

216.1706,  
265.7779, 353.2108

 2.0999, 4.3132,  
9.6497

261.5298,

 0.6892, 1.8503,

318.5524, 418.5818

5.0648

312.8278,  
377.8878, 491.5584

■ 0.0000, 0.5182,  
2.2259

■ 0.0000, 0.0000,  
0.6893

■ 48.2710, 65.3834,  
97.2649

■ 48.2710, 65.3834,  
97.2649

■ 46.0417, 63.3340,  
96.9880

■ 51.2620, 67.8395,  
97.5826

■ 44.4783, 61.6378,  
96.7430


■ 55.0844, 70.7343,  
97.9398

■ 43.4527, 60.2300,  
96.5254


■ 59.8068, 74.1044,  
98.3414


■ 43.3358, 60.0559,  
96.4979

■ 65.4889, 77.9806,  
98.7901

 72.1854, 82.3913,  
99.2885

 79.9467, 87.3625,  
99.8390

 88.8200, 92.9184,  
100.4437

 91.5868, 95.3379,  
100.7649

 92.2637, 96.6917,  
100.9905

# Harmonies

## Analogous

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



46.5427, 65.3834, 69.9139



48.2710, 65.3834, 97.2649



53.6155, 65.3834, 121.7601

# Triad

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



48.2710, 65.3834, 97.2649



77.9281, 65.3834, 100.0316



62.5948, 65.3834, 32.5427

# Complementary

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



48.2710, 65.3834, 97.2649



43.1744, 27.7848, 10.1105

# 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.



71.5342, 65.3834, 37.0142



48.2710, 65.3834, 97.2649



80.8942, 65.3834, 72.4844

# Square

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



48.2710, 65.3834, 97.2649



70.6838, 65.3834, 123.6075



78.4511, 65.3834, 50.2512



54.3230, 65.3834, 36.1894

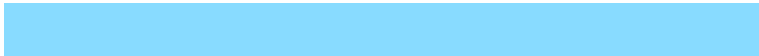


# Rectangle

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



48.2710, 65.3834, 97.2649



58.7911, 65.3834, 130.9131



78.4511, 65.3834, 50.2512



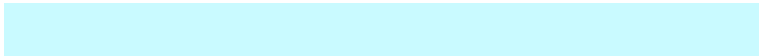
65.6241, 65.3834, 33.1207

# Sweetspot

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



48.2730, 65.3858, 97.2665



76.5211, 88.2250, 107.6038



37.9100, 68.2476, 21.0936



15.9400, 18.5960, 22.9992



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

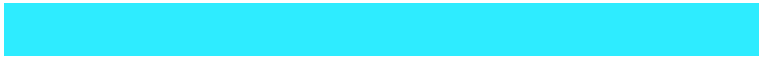


# Same Dimension

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



48.2730, 65.3858, 97.2665



49.2951, 68.0444, 105.1435



30.1958, 29.2314, 91.2407



16.8636, 18.4915, 21.2230



23.1842, 32.1621, 51.5240



2.0738, 2.8991, 4.5405



# Inverse Universe

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



55.0854, 30.6720, 78.6208



57.4178, 29.2881, 82.3210



54.7913, 51.0186, 13.9828



17.1465, 16.7414, 20.5179



27.5068, 13.3462, 38.9727

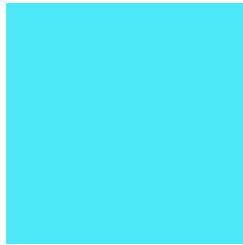


2.4358, 1.1803, 3.5215



# Previews

## White Background



This preview shows how the XYZ color 48.2710, 65.3834, 97.2649 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

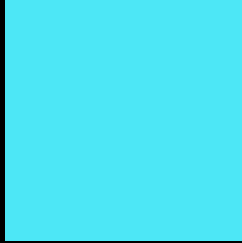
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 48.2710, 65.3834, 97.2649 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 48.2710, 65.3834, 97.2649**

## **Background**



This preview shows how black text looks on a background with the XYZ color 48.2710, 65.3834, 97.2649.



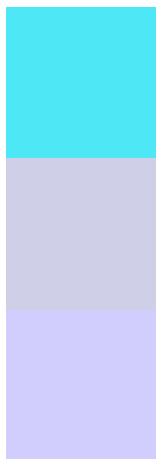
This preview shows how white text looks on a background with the XYZ color 48.2710, 65.3834,



# 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

48.2710, 65.3834, 97.2649

### Protanopia

62.7118, 64.1467, 84.6776

### Deuteranopia

65.6965, 64.2462, 101.0336



## Tritanopia

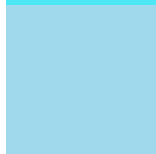
48.6201, 65.0954, 99.6247

# Trichromacy



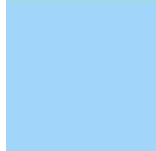
## Original Color

48.2710, 65.3834, 97.2649



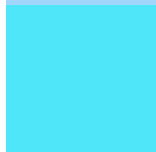
## Protanomaly

54.1934, 62.6414, 88.5916



## Deuteranomaly

55.9998, 62.5723, 99.5686



## Tritanomaly

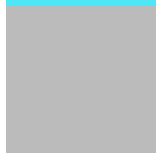
48.3820, 64.9906, 98.8014

# Monochromacy



## Original Color

48.2710, 65.3834, 97.2649



## Achromatopsia

47.2335, 49.6933, 54.1160



## Achromatomaly

44.7737, 53.4690, 67.6352

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 48.2710, 65.3834, 97.2649 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(77, 231, 246)` looks like.

```
.text, #text, p{  
    color:rgb(77, 231, 246)  
}
```

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(77, 231, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 231, 246) }
```

## Border

The CSS property to change the border of an element to XYZ 48.2710, 65.3834, 97.2649 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(77, 231, 246) }
```



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

```
.border{ border-color:rgb(77, 231, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 231, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 231, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 231, 246);  
box-shadow:4px 4px 4px 4px rgb(77, 231,  
246) }
```

# Background

The CSS property to change the background color of an element to XYZ 48.2710, 65.3834, 97.2649 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 231, 246) }
```

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

```
.background{ background-color: rgb(77, 231,  
246) }
```

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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