

Converting Colors

XYZ(46.8549, 65.9337, 77.2748)

Have a look what the booklet for
XYZ(46.8549, 65.9337, 77.2748)
contains.

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Color

**XYZ(46.8549, 65.9337,
77.2748)**

Conversions

Conversions Part 1

Format	Color
Hex	61E9DB
RGB	97, 233, 219
RGB Percent	38%, 91%, 86%
CMY	0.6196, 0.0863, 0.1412
CMYK	0.58, 0.00, 0.06, 0.09
HSL	174°, 76%, 65%
HSV	174°, 58%, 91%
XYZ	46.8549, 65.9337, 77.2748
YIQ	190.7400, -76.5620, -33.1860

Conversions

Conversions Part 2

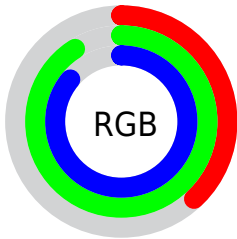
Format	Color
RYB	97, 169, 233
Decimal	6416859
CIELab	84.96, -40.20, -4.32
CIELCh	85, 40.435, 186.139
Yxy	65.9337, 0.2465, 0.3469
Android (android.graphics.Color)	4284606939 (0xFF61E9DB)
YUV	190.7400, 13.9322, -82.2100
Hunter-Lab	81.1996, -39.0987, 0.4155




Details

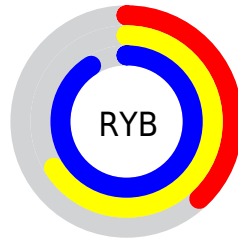
The XYZ color **46.8549, 65.9337, 77.2748** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **40.7505, 27.0227, 18.1095**, and the grayscale version is **49.3263, 51.8951, 56.5137**.




A 20% lighter version of the original color is **68.1081, 86.1109, 107.6391**, and **22.4480, 34.1375, 40.5280** is the 20% darker color. If you saturate the color by 10%, you get **44.4142, 64.7133, 75.5251**, and if you desaturate by 10%, it is **50.0329, 67.5368, 79.0857**.

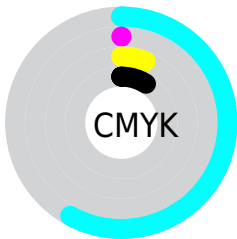
Distribution







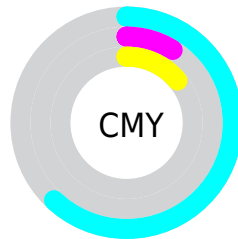
-  Red (38%)
-  Green (91%)
-  Blue (86%)






-  Red (38%)
-  Yellow (66%)
-  Blue (91%)



-  Cyan (58%)
-  Magenta (0%)
-  Yellow (6%)
-  Black (9%)





-  Cyan (62%)
-  Magenta (9%)
-  Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.8549, 65.9337, 77.2748 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 46.8549, 65.9337, 77.2748 by changing the saturation by 10% instead.


 46.8549, 65.9337,
77.2748


 46.8549, 65.9337,
77.2748


364.8936,
446.1397, 505.1630

 33.1284, 48.2186,
56.9655


 84.7171, 113.3912,
131.3039


 22.3846, 34.0000,
40.5684


 109.5834,
143.9023, 165.8608

 14.2579, 22.8936,
27.6648

 138.8939,
179.4476, 206.0039

 8.3832, 14.5150,
17.8363

 173.0136,
220.4114, 252.1519

 4.3950, 8.4797,
10.6643

212.3082,
267.1781, 304.7233

 1.9279, 4.4034,
5.7303

257.1428,

 0.5930, 1.9017,

320.1321, 364.1366

2.6156

307.8828,
379.6579, 430.8103

■ 0.0000, 0.5494,
0.9005

■ 0.0000, 0.0000,
0.0000

■ 46.8549, 65.9337,
77.2748

■ 46.8549, 65.9337,
77.2748

■ 44.4142, 64.7133,
75.5251

■ 50.0329, 67.5368,
79.0857

■ 42.6391, 63.8339,
73.8287


■ 54.0004, 69.5449,
80.9560


■ 41.4538, 63.2580,
72.1835


■ 58.8115, 71.9873,
82.8897


■ 40.7465, 62.9281,
70.5841


■ 64.5139, 74.8886,
84.8892


 40.6503, 62.8841,
70.3261

 71.1515, 78.2715,
86.9566

 78.7657, 82.1574,
89.0939

 85.4904, 85.5841,
91.2140

 85.8410, 85.7244,
93.0601

 86.1963, 85.8665,
94.9311

Harmonies

Analogous

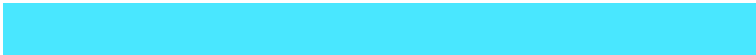
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



48.0117, 65.9337, 53.3954



46.8549, 65.9337, 77.2748



49.5929, 65.9337, 105.5210

Triad

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



46.8549, 65.9337, 77.2748



73.5448, 65.9337, 120.2457



70.0032, 65.9337, 35.0694

Complementary

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



46.8549, 65.9337, 77.2748



40.7505, 27.0227, 18.1095

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.



77.8603, 65.9337, 46.1438



46.8549, 65.9337, 77.2748



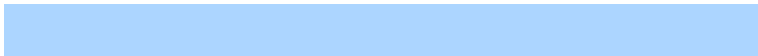
80.0393, 65.9337, 93.9889

Square

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



46.8549, 65.9337, 77.2748



64.5548, 65.9337, 133.9042



81.6901, 65.9337, 66.5722



60.8184, 65.9337, 32.6529

Rectangle

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



46.8549, 65.9337, 77.2748



53.4302, 65.9337, 121.8621



81.6901, 65.9337, 66.5722



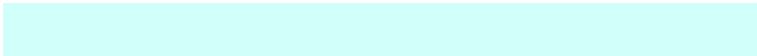
72.9136, 65.9337, 37.7456

Sweetspot

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



46.8568, 65.9362, 77.2764



79.3812, 92.0092, 104.2438



38.0916, 62.6454, 21.3950



16.5259, 19.4571, 22.1569



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.



46.8568, 65.9362, 77.2764



54.0112, 79.1694, 92.2660



36.1367, 41.4206, 83.1840



15.4469, 17.0936, 19.0364



23.0921, 35.6913, 40.0456



1.8326, 2.8103, 3.2461

Inverse Universe

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



40.7505, 27.0227, 18.1095



45.9190, 27.3221, 13.6509



46.5329, 39.7263, 16.5262



15.1285, 15.0792, 15.9619



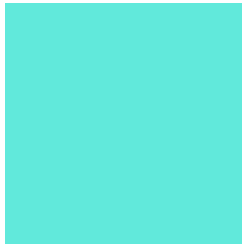
19.1823, 9.8756, 1.4953



1.5275, 0.7840, 0.2291

Previews

White Background



This preview shows how the XYZ color 46.8549, 65.9337, 77.2748 looks on a white background.

Color Contrast Check

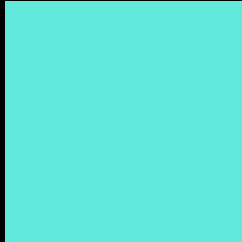
Large Text (above 18pt) WCAG AA × Fail

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 46.8549, 65.9337, 77.2748 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

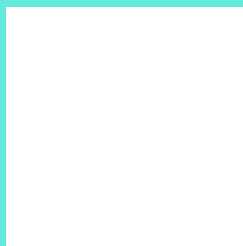
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.8549, 65.9337, 77.2748

Background



This preview shows how black text looks on a background with the XYZ color 46.8549, 65.9337, 77.2748.



This preview shows how white text looks on a background with the XYZ color 46.8549, 65.9337,

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

46.8549, 65.9337, 77.2748

Protanopia

62.2115, 64.9965, 67.6592

Deuteranopia

66.1624, 64.9462, 80.2829



Tritanopia

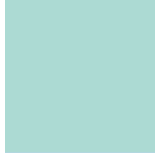
50.9922, 65.9422, 98.0362

Trichromacy



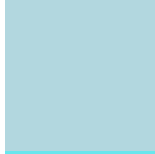
Original Color

46.8549, 65.9337, 77.2748



Protanomaly

53.8425, 63.6166, 71.0694



Deuteranomaly

55.9798, 63.3936, 79.0978



Tritanomaly

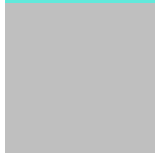
49.2918, 65.6511, 90.1947

Monochromacy



Original Color

46.8549, 65.9337, 77.2748



Achromatopsia

49.5206, 52.0996, 56.7364



Achromatomaly

46.5185, 55.5278, 63.5245

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.8549, 65.9337, 77.2748 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(97, 233, 219)` looks like.

```
.text, #text, p{  
    color:rgb(97, 233, 219)  
}
```

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(97, 233, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 233, 219) }
```

Border

The CSS property to change the border of an element to XYZ 46.8549, 65.9337, 77.2748 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(97, 233, 219) }
```


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

```
.border{ border-color:rgb(97, 233, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 233, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 233, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 233, 219);  
box-shadow:4px 4px 4px 4px rgb(97, 233,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 46.8549, 65.9337, 77.2748 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 233, 219) }
```

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

```
.background{ background-color: rgb(97, 233,  
219) }
```

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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