

Converting Colors

XYZ(58.5620, 73.2758, 96.6473)

Have a look what the booklet for
XYZ(58.5620, 73.2758, 96.6473)
contains.

XYZ(58.4674, 73.2110, 96.6375)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(58.4674, 73.2110,
96.6375)**

Conversions

Conversions Part 1

Format	Color
Hex	92EDF4
RGB	146, 237, 244
RGB Percent	57%, 93%, 96%
CMY	0.4274, 0.0706, 0.0431
CMYK	0.40, 0.03, 0.00, 0.04
HSL	184°, 82%, 76%
HSV	184°, 40%, 96%
XYZ	58.4674, 73.2110, 96.6375
YIQ	210.5890, -56.4830, -17.1150

Conversions

Conversions Part 2

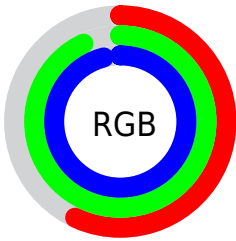
Format	Color
R _Y B	146, 193, 244
Decimal	9629172
CIE Lab	88.55, -25.40, -11.95
CIE LCh	89, 28.073, 205.186
Yxy	73.2110, 0.2561, 0.3207
Android (android.graphics.Color)	4287819252 (0xFF92EDF4)
YUV	210.5890, 16.4716, -56.6446
Hunter-Lab	85.5634, -27.7630, -7.0692

Details

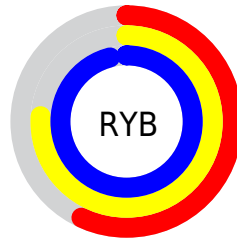
The XYZ color **58.4674, 73.2110, 96.6375** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **53.8890, 44.0920, 32.8663**, and the grayscale version is **61.5693, 64.7757, 70.5407**.

A 20% lighter version of the original color is **78.7118, 91.5774, 108.1354**, and **29.7208, 38.8024, 53.5001** is the 20% darker color. If you saturate the color by 10%, you get **54.0828, 70.2071, 96.2901**, and if you desaturate by 10%, it is **63.7869, 76.7075, 97.0333**.

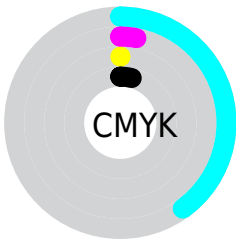
Distribution



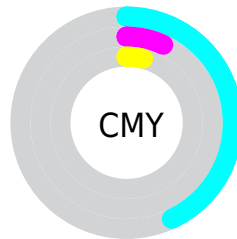
- Red (57%)
- Green (93%)
- Blue (96%)



- Red (57%)
- Yellow (76%)
- Blue (96%)



- Cyan (40%)
- Magenta (3%)
- Yellow (0%)
- Black (4%)



- Cyan (43%)
- Magenta (7%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 58.4674, 73.2110, 96.6375 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 58.4674, 73.2110, 96.6375 by changing the saturation by 10% instead.

■ 58.4674, 73.2110,
96.6375

■ 58.4674, 73.2110,
96.6375

408.8512,
471.7458, 570.5118

■ 42.4292, 54.1485,
72.8942

■ 101.7222,
123.7767, 158.5399

■ 29.6301, 38.7204,
53.3982

■ 129.6697,
156.0487, 197.5362

■ 19.7047, 26.5423,
37.7308

162.3175,
193.4927, 242.4538

■ 12.2876, 17.2298,
25.4736

200.0312,
236.4930, 293.7113

■ 7.0134, 10.3984,
16.2081

243.1760,
285.4341, 351.7274

■ 3.5169, 5.6639,
9.5156

292.1174,

■ 1.4326, 2.6418,

340.7003, 416.9204

4.9776

347.2207,
402.6761, 489.7091

■ 0.2793, 0.9477,
2.1756

■ 0.0000, 0.0000,
0.6602

■ 58.4674, 73.2110,
96.6375

■ 58.4674, 73.2110,
96.6375

■ 54.0828, 70.2071,
96.2901

■ 63.7869, 76.7075,
97.0333

■ 50.5671, 67.6567,
95.9831

■ 70.0888, 80.7161,
97.4749

■ 47.8561, 65.5284,
95.7152

■ 77.4254, 85.2655,
97.9663

■ 45.8739, 63.7830,
95.4827

■ 85.8434, 90.3796,
98.5098

■ 44.5301, 62.3739,
95.2816

■ 90.4387, 93.5304,
98.8757

■ 43.6833, 61.2396,
95.1073

■ 90.9703, 94.5937,
99.0529

■ 91.5070, 95.6669,
99.2318

■ 92.0486, 96.7502,
99.4124

■ 92.5952, 97.8434,
99.5946

Harmonies

Analogous

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



57.4138, 73.2110, 76.6291



58.4674, 73.2110, 96.6375



62.4211, 73.2110, 114.3689

Triad

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



58.4674, 73.2110, 96.6375



80.8172, 73.2110, 102.9247



70.6820, 73.2110, 48.0629

Complementary

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



58.4674, 73.2110, 96.6375



53.8890, 44.0920, 32.8663

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.



77.2767, 73.2110, 52.8795



58.4674, 73.2110, 96.6375



83.3648, 73.2110, 82.8812

Square

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



58.4674, 73.2110, 96.6375



75.2671, 73.2110, 118.3915



82.0292, 73.2110, 64.8921



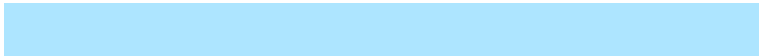
64.1961, 73.2110, 50.5374

Rectangle

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



58.4674, 73.2110, 96.6375



66.3124, 73.2110, 121.4143



82.0292, 73.2110, 64.8921



72.9633, 73.2110, 48.8570

Sweetspot

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



58.4696, 73.2139, 96.6392



83.9815, 93.2651, 108.1834



49.9177, 73.0984, 41.4156



17.7401, 19.8174, 23.1401



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

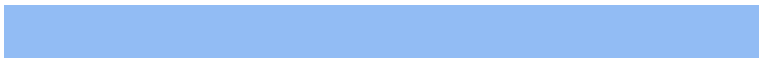
The Same Dimension uses a secret algorithm to generate beautiful new colors.



58.4696, 73.2139, 96.6392



60.6947, 78.2438, 106.5114



46.2680, 48.8107, 92.5720



16.8895, 18.5433, 21.2316



23.7952, 33.3842, 51.7277



2.1211, 2.9937, 4.5563

Inverse Universe

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



62.8750, 45.9072, 85.6710



66.2474, 44.5955, 92.5143



63.5093, 63.3326, 36.0731



17.1596, 16.7467, 20.5868



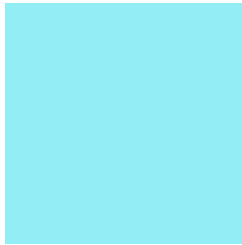
27.8152, 13.4695, 40.5969



2.4597, 1.1899, 3.6472

Previews

White Background



This preview shows how the XYZ color 58.4674, 73.2110, 96.6375 looks on a white background.

Color Contrast Check

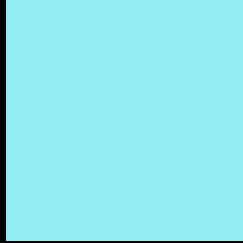
Large Text (above 18pt) WCAG AA × Fail

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 58.4674, 73.2110, 96.6375 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 58.4674, 73.2110, 96.6375

Background



This preview shows how black text looks on a background with the XYZ color 58.4674, 73.2110, 96.6375.

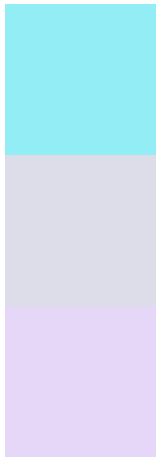


This preview shows how white text looks on a background with the XYZ color 58.4674, 73.2110,

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

58.4674, 73.2110, 96.6375

Protanopia

70.1200, 72.4417, 87.3777

Deuteranopia

74.0324, 72.2634, 99.6688



Tritanopia

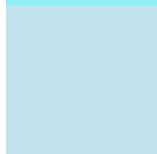
59.9921, 72.9620, 104.6871

Trichromacy



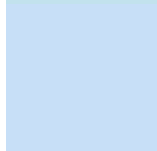
Original Color

58.4674, 73.2110, 96.6375



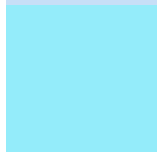
Protanomaly

64.7306, 71.9765, 90.6019



Deuteranomaly

66.7294, 71.6329, 98.3052



Tritanomaly

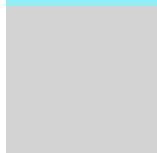
59.4635, 73.1889, 101.4353

Monochromacy



Original Color

58.4674, 73.2110, 96.6375



Achromatopsia

61.9161, 65.1406, 70.9381



Achromatomaly

59.4060, 67.0789, 79.6285

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.4674, 73.2110, 96.6375 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(146, 237, 244)` looks like.

```
.text, #text, p{  
    color:rgb(146, 237, 244)  
}
```

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(146, 237, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 237, 244) }
```

Border

The CSS property to change the border of an element to XYZ 58.4674, 73.2110, 96.6375 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(146, 237, 244) }
```


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

```
.border{ border-color:rgb(146, 237, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 237, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 237, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 237, 244);  
box-shadow:4px 4px 4px 4px rgb(146, 237,  
244) }
```

Background

The CSS property to change the background color of an element to XYZ 58.4674, 73.2110, 96.6375 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 237, 244) }
```

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

```
.background{ background-color: rgb(146,  
237, 244) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor