

# Converting Colors

XYZ(58.1673, 74.2669, 75.1278)

Have a look what the booklet for  
XYZ(58.1673, 74.2669, 75.1278)  
contains.

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# Color

**XYZ(58.3139, 74.4806,  
74.9210)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A4EFD6
RGB	164, 239, 214
RGB Percent	64%, 94%, 84%
CMY	0.3569, 0.0627, 0.1608
CMYK	0.31, 0.00, 0.10, 0.06
HSL	160°, 70%, 79%
HSV	160°, 31%, 94%
XYZ	58.3139, 74.4806, 74.9210
YIQ	213.7250, -36.6750, -23.6750

# Conversions

## Conversions Part 2

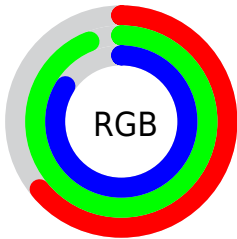
<b>Format</b>	<b>Color</b>
<b>RYB</b>	164, 209, 239
Decimal	10809302
CIELab	89.15, -28.37, 4.72
CIELCh	89, 28.758, 170.545
Yxy	74.4806, 0.2807, 0.3586
Android (android.graphics.Color)	4288999382 (0xFFA4EFD6)
YUV	213.7250, 0.1356, -43.6088
Hunter-Lab	86.3021, -30.4172, 8.9404

# Details

The XYZ color **58.3139, 74.4806, 74.9210** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **58.0599, 48.5776, 54.4634**, and the grayscale version is **63.7501, 67.0701, 73.0393**.

A 20% lighter version of the original color is **83.6288, 94.1122, 108.3655**, and **29.4982, 39.6214, 38.8939** is the 20% darker color. If you saturate the color by 10%, you get **52.8450, 71.7780, 69.4836**, and if you desaturate by 10%, it is **64.7636, 77.6871, 80.6673**.

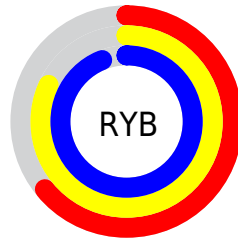
# Distribution



Red (64%)

Green (94%)

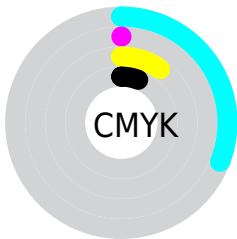
Blue (84%)



Red (64%)

Yellow (82%)

Blue (94%)

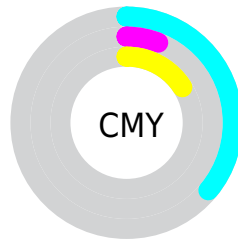


Cyan (31%)

Magenta (0%)

Yellow (10%)

Black (6%)



Cyan (36%)

Magenta (6%)


Yellow (16%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 58.3139, 74.4806, 74.9210 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 58.3139, 74.4806, 74.9210 by changing the saturation by 10% instead.





 58.3139, 74.4806,  
74.9210

 58.3139, 74.4806,  
74.9210


408.2896,  
476.1304, 496.8942

 42.3053, 55.1875,  
55.0468


 101.5002,  
125.5769, 127.9466

 29.5326, 39.5518,  
39.0404


 129.4085,  
158.1488, 161.9351

 19.6304, 27.1893,  
26.4831


162.0142,  
195.9158, 201.4655

 12.2333, 17.7154,  
16.9564

199.6826,  
239.2622, 246.9562

 6.9761, 10.7459,  
10.0418

242.7789,  
288.5725, 298.8260

 3.4934, 5.8962,  
5.3207

291.6686,

 1.4197, 2.7821,


344.2310, 357.4932


2.3746


346.7171,  
406.6222, 423.3764


 0.2702, 1.0190,  
0.7726


 0.0000, 0.0000,  
0.0000


 58.3139, 74.4806,  
74.9210


 58.3139, 74.4806,  
74.9210


 52.8450, 71.7780,  
69.4836


 64.7636, 77.6871,  
80.6673


 48.2979, 69.5429,  
64.3440

 72.2366, 81.4132,  
86.7234

 44.6167, 67.7486,  
59.4973

 80.7802, 85.6854,  
93.0965

 41.7369, 66.3620,  
54.9368

 88.7228, 89.6417,  
99.7120

■ 39.5842, 65.3448,  
50.6549

■ 89.9715, 90.1412,  
106.2880

■ 38.0697, 64.6513,  
46.6435

■ 90.1579, 90.2158,  
107.2693

■ 37.1546, 64.2504,  
43.3944

# Harmonies

## Analogous

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



60.8883, 74.4806, 58.9616



58.3139, 74.4806, 74.9210



58.9082, 74.4806, 95.4086

# Triad

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



58.3139, 74.4806, 74.9210



75.6268, 74.4806, 122.8679



79.7046, 74.4806, 54.7992

# Complementary

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



58.3139, 74.4806, 74.9210



58.0599, 48.5776, 54.4634

# 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.



84.1744, 74.4806, 68.2928



58.3139, 74.4806, 74.9210



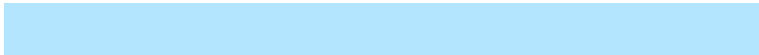
81.7143, 74.4806, 108.1760

# Square

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



58.3139, 74.4806, 74.9210



68.6010, 74.4806, 125.4320



84.9331, 74.4806, 87.6028



73.0283, 74.4806, 48.6746

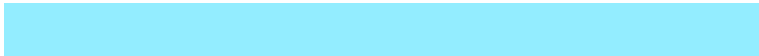


# Rectangle

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



58.3139, 74.4806, 74.9210



61.0376, 74.4806, 108.8594



84.9331, 74.4806, 87.6028



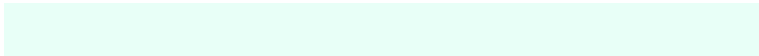
81.5330, 74.4806, 58.5077

# Sweetspot

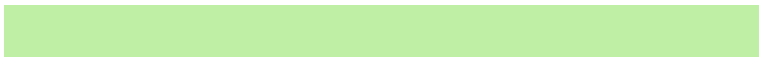
The Sweet Spot groups the original color and five complimentary colors.



58.3160, 74.4836, 74.9227



85.8974, 95.4212, 102.1695



58.8674, 75.3959, 46.5732



18.0896, 20.2762, 21.6416



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

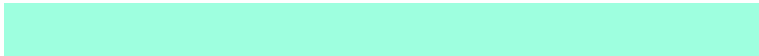


# Same Dimension

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



58.3160, 74.4836, 74.9227



63.1587, 84.1106, 82.5044



58.5668, 69.4767, 91.9886



16.0103, 17.8341, 19.0772



20.5949, 35.5300, 24.3134



1.7592, 2.9741, 2.2646



# Inverse Universe

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



58.0599, 48.5776, 54.4634



62.8223, 49.4832, 55.1864



57.6784, 51.7903, 42.0795



15.9901, 15.8458, 17.5043



20.5193, 10.4802, 5.3853

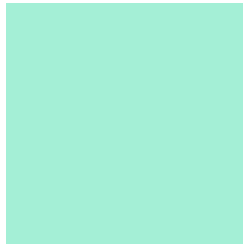


1.7515, 0.8896, 0.6822



# Previews

## White Background



This preview shows how the XYZ color 58.3139, 74.4806, 74.9210 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

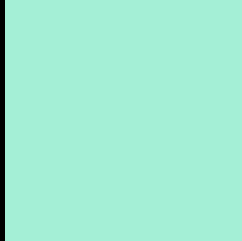
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 58.3139, 74.4806, 74.9210 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

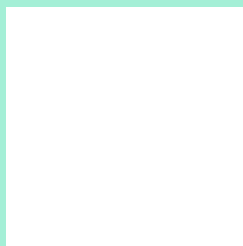
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 58.3139, 74.4806, 74.9210**

## **Background**



This preview shows how black text looks on a background with the XYZ color 58.3139, 74.4806, 74.9210.



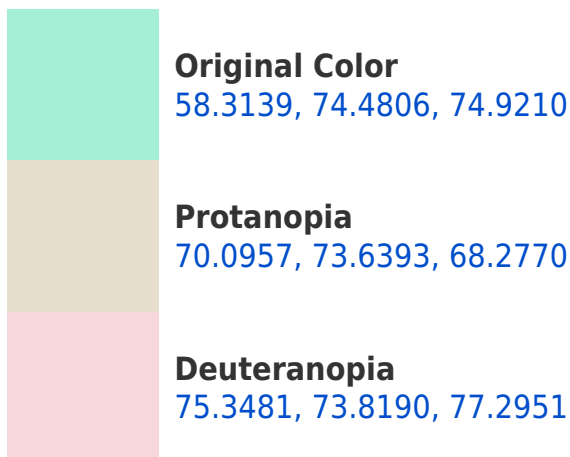
This preview shows how white text looks on a background with the XYZ color 58.3139, 74.4806,

74.9210.

# 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





## Tritanopia

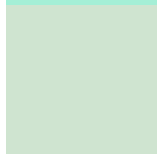
63.7229, 74.0768, 103.0352

# Trichromacy



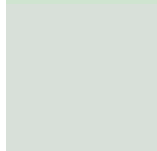
## Original Color

58.3139, 74.4806, 74.9210



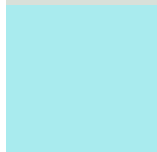
## Protanomaly

64.8607, 73.3063, 70.4055



## Deuteranomaly

67.4989, 72.9200, 76.1630



## Tritanomaly

61.5031, 74.0247, 91.9356

# Monochromacy



## Original Color

58.3139, 74.4806, 74.9210



## Achromatopsia

63.9157, 67.2443, 73.2291



## Achromatomaly

61.2902, 69.3662, 73.7770

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 58.3139, 74.4806, 74.9210 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(164, 239, 214)` looks like.

```
.text, #text, p{  
    color:rgb(164, 239, 214)  
}
```

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(164, 239, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 239, 214) }
```

## Border

The CSS property to change the border of an element to XYZ 58.3139, 74.4806, 74.9210 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(164, 239, 214) }
```



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

```
.border{ border-color:rgb(164, 239, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 239, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 239, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 239, 214);  
box-shadow:4px 4px 4px 4px rgb(164, 239,  
214) }
```

# Background

The CSS property to change the background color of an element to XYZ 58.3139, 74.4806, 74.9210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 239, 214) }
```

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

```
.background{ background-color: rgb(164,  
239, 214) }
```

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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