

Converting Colors

XYZ(58.7227, 75.0506, 68.3110)

Have a look what the booklet for
XYZ(58.7227, 75.0506, 68.3110)
contains.

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Color

**XYZ(58.5602, 74.7506,
68.4686)**

Conversions

Conversions Part 1

Format	Color
Hex	ABEFCC
RGB	171, 239, 204
RGB Percent	67%, 94%, 80%
CMY	0.3294, 0.0627, 0.2000
CMYK	0.28, 0.00, 0.15, 0.06
HSL	149°, 68%, 80%
HSV	149°, 28%, 94%
XYZ	58.5602, 74.7506, 68.4686
YIQ	214.6780, -29.2930, -25.3010

Conversions

Conversions Part 2

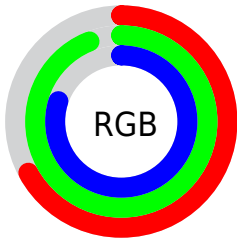
Format	Color
RYB	171, 217, 239
Decimal	11268044
CIELab	89.28, -28.32, 10.16
CIELCh	89, 30.086, 160.254
Yxy	74.7506, 0.2902, 0.3705
Android (android.graphics.Color)	4289458124 (0xFFABEFCC)
YUV	214.6780, -5.2643, -38.3056
Hunter-Lab	86.4584, -30.4003, 13.5677

Details

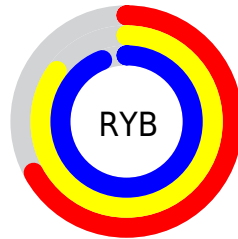
The XYZ color **58.5602, 74.7506, 68.4686** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **61.3027, 51.9346, 65.1891**, and the grayscale version is **64.4239, 67.7790, 73.8113**.

A 20% lighter version of the original color is **85.8049, 95.2340, 108.4673**, and **29.7746, 39.8509, 34.9769** is the 20% darker color. If you saturate the color by 10%, you get **52.3999, 71.7407, 60.7804**, and if you desaturate by 10%, it is **65.7824, 78.2986, 76.8181**.

Distribution



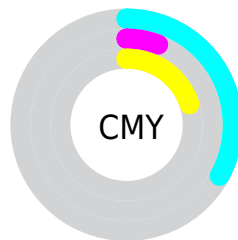
- Red (67%)
- Green (94%)
- Blue (80%)



- Red (67%)
- Yellow (85%)
- Blue (94%)



- Cyan (28%)
- Magenta (0%)
- Yellow (15%)
- Black (6%)





- Cyan (33%)
- Magenta (6%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 58.5602, 74.7506, 68.4686 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 58.5602, 74.7506, 68.4686 by changing the saturation by 10% instead.


 58.5602, 74.7506,
68.4686

 58.5602, 74.7506,
68.4686


409.1904,
477.0599, 473.7976

 42.5042, 55.4086,
49.8100


 101.8565,
125.9593, 118.6828

 29.6891, 39.7290,
34.8923


129.8275,
158.5947, 151.0755

 19.7496, 27.3273,
23.2971


162.5008,
196.4301, 188.8833

 12.3204, 17.8192,
14.6056

200.2419,
239.8498, 232.5247

 7.0360, 10.8202,
8.3996

243.4160,
289.2383, 282.4183

 3.5312, 5.9461,
4.2602

292.3886,

 1.4405, 2.8123,

344.9798, 338.9826

1.7692

347.5249,
407.4589, 402.6362

■ 0.2848, 1.0346,
0.4075

■ 0.0000, 0.0000,
0.0000

■ 58.5602, 74.7506,
68.4686

■ 58.5602, 74.7506,
68.4686

■ 52.3999, 71.7407,
60.7804

■ 65.7824, 78.2986,
76.8181

■ 47.2420, 69.2324,
53.7321

■ 74.1100, 82.4005,
85.8398

■ 43.0303, 67.1990,
47.3081

■ 83.5913, 87.0832,
95.5505

■ 39.7000, 65.6075,
41.4903

■ 89.8711, 90.1011,
105.7593

■ 37.1779, 64.4204,
36.2597

■ 90.1579, 90.2158,
107.2693

■ 35.3778, 63.5938,
31.5957

■ 34.1775, 63.0650,
27.4755

■ 34.0193, 62.9964,
26.8841

Harmonies

Analogous

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



62.3023, 74.7506, 54.2455



58.5602, 74.7506, 68.4686



58.0298, 74.7506, 88.8099

Triad

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



58.5602, 74.7506, 68.4686



73.5936, 74.7506, 128.0653



82.3883, 74.7506, 57.9396

Complementary

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



58.5602, 74.7506, 68.4686



61.3027, 51.9346, 65.1891

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.



85.8812, 74.7506, 74.3966



58.5602, 74.7506, 68.4686



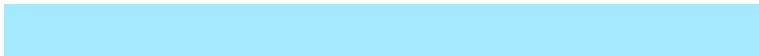
80.5766, 74.7506, 116.3505

Square

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



58.5602, 74.7506, 68.4686



66.3800, 74.7506, 125.7347



85.1962, 74.7506, 95.8442



75.9303, 74.7506, 48.9320

Rectangle

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



58.5602, 74.7506, 68.4686



59.5270, 74.7506, 103.5322



85.1962, 74.7506, 95.8442



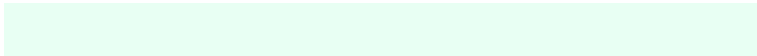
83.9676, 74.7506, 62.6550

Sweetspot

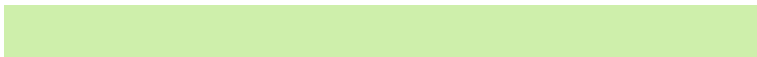
The Sweet Spot groups the original color and five complimentary colors.



58.5623, 74.7537, 68.4703



85.2609, 95.1665, 98.8174



63.7104, 77.8176, 50.1915



17.9327, 20.2134, 20.8153



0.0000, 0.0000, 0.0000



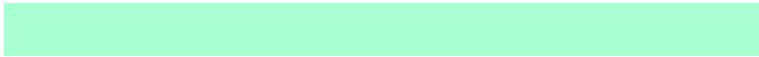
20.3446, 21.4041, 23.3091

Same Dimension

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



58.5623, 74.7537, 68.4703



63.6518, 84.5496, 74.1816



63.0767, 76.5595, 92.2429



15.8855, 17.7842, 18.4200



18.8647, 34.8379, 15.2024



1.6195, 2.9182, 1.5285

Inverse Universe

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



61.3027, 51.9346, 65.1891



67.2990, 54.1766, 69.8122



57.6209, 50.4619, 45.8011



16.1125, 15.8947, 18.1485



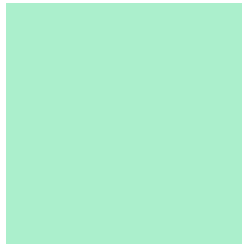
21.7146, 10.9582, 11.6793



1.8567, 0.9317, 1.2364

Previews

White Background



This preview shows how the XYZ color 58.5602, 74.7506, 68.4686 looks on a white background.

Color Contrast Check

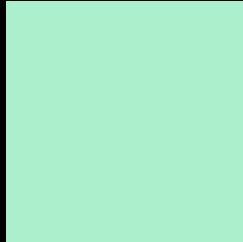
Large Text (above 18pt) WCAG AA × Fail

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 58.5602, 74.7506, 68.4686 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

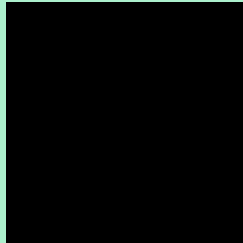
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 58.5602, 74.7506, 68.4686

Background



This preview shows how black text looks on a background with the XYZ color 58.5602, 74.7506, 68.4686.



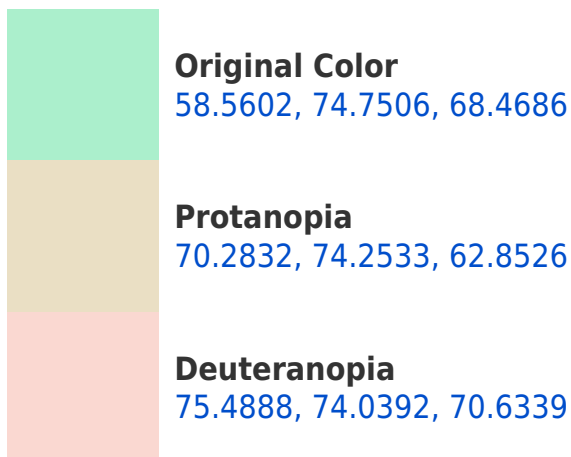
This preview shows how white text looks on a background with the XYZ color 58.5602, 74.7506,

68.4686.

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

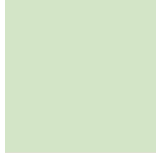
65.0916, 74.3816, 102.1932

Trichromacy



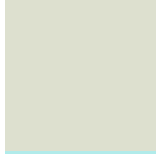
Original Color

58.5602, 74.7506, 68.4686



Protanomaly

65.1921, 74.0110, 64.8824



Deuteranomaly

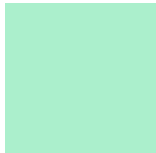
67.7369, 73.1885, 69.5881



Tritanomaly

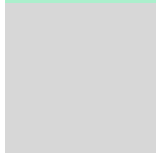
62.6911, 74.7043, 88.9571

Monochromacy



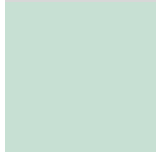
Original Color

58.5602, 74.7506, 68.4686



Achromatopsia

64.5905, 67.9542, 74.0022



Achromatomaly

61.9667, 70.1566, 71.9036

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.5602, 74.7506, 68.4686 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(171, 239, 204)` looks like.

```
.text, #text, p{  
    color:rgb(171, 239, 204)  
}
```

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(171, 239, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 239, 204) }
```

Border

The CSS property to change the border of an element to XYZ 58.5602, 74.7506, 68.4686 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(171, 239, 204) }
```


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

```
.border{ border-color:rgb(171, 239, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 239, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 239, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 239, 204);  
box-shadow:4px 4px 4px 4px rgb(171, 239,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 58.5602, 74.7506, 68.4686 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 239, 204) }
```

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

```
.background{ background-color: rgb(171,  
239, 204) }
```

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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