

Converting Colors

XYZ(58.0807, 76.6934, 66.4329)

Have a look what the booklet for
XYZ(58.0807, 76.6934, 66.4329)
contains.

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Color

**XYZ(58.0859, 76.7640,
66.3991)**

Conversions

Conversions Part 1

Format	Color
Hex	A4F4C8
RGB	164, 244, 200
RGB Percent	64%, 96%, 78%
CMY	0.3569, 0.0431, 0.2157
CMYK	0.33, 0.00, 0.18, 0.04
HSL	147°, 78%, 80%
HSV	147°, 33%, 96%
XYZ	58.0859, 76.7640, 66.3991
YIQ	215.0640, -33.5560, -30.6440

Conversions

Conversions Part 2

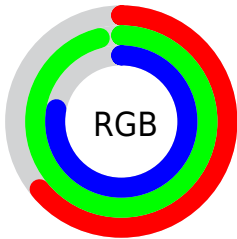
Format	Color
RYB	164, 219, 244
Decimal	10810568
CIELab	90.21, -33.51, 13.52
CIElCh	90, 36.133, 158.020
Yxy	76.7640, 0.2886, 0.3814
Android (android.graphics.Color)	4289000648 (0xFFA4F4C8)
YUV	215.0640, -7.4266, -44.7831
Hunter-Lab	87.6151, -34.9868, 16.3976

Details

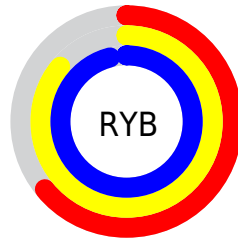
The XYZ color **58.0859, 76.7640, 66.3991** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **61.9715, 50.3400, 66.1281**, and the grayscale version is **64.7014, 68.0709, 74.1292**.

A 20% lighter version of the original color is **83.6288, 94.1122, 108.3655**, and **29.2653, 40.8672, 33.5398** is the 20% darker color. If you saturate the color by 10%, you get **52.0252, 73.8151, 58.2848**, and if you desaturate by 10%, it is **65.2545, 80.2724, 75.2873**.

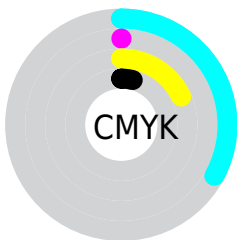
Distribution



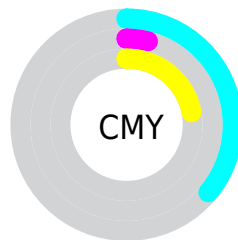
- Red (64%)
- Green (96%)
- Blue (78%)



- Red (64%)
- Yellow (86%)
- Blue (96%)



- Cyan (33%)
- Magenta (0%)
- Yellow (18%)
- Black (4%)





- Cyan (36%)
- Magenta (4%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.0859, 76.7640, 66.3991 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 58.0859, 76.7640, 66.3991 by changing the saturation by 10% instead.


 58.0859, 76.7640,
66.3991

 58.0859, 76.7640,
66.3991


407.4546,
483.9590, 466.2460

 42.1212, 57.0592,
48.1379


 101.1702,
128.8063, 115.6914

 29.3878, 41.0528,
33.5754


 129.0205,
161.9126, 147.5596

 19.5201, 28.3603,
22.2929

161.5635,
200.2548, 184.8006

 12.1529, 18.5975,
13.8719

199.1644,
244.2174, 227.8329

 6.9209, 11.3798,
7.8939

242.1886,
294.1847, 277.0751

 3.4585, 6.3229,
3.9403

291.0015,

 1.4006, 3.0424,

350.5411, 332.9456

1.5927

345.9684,
413.6711, 395.8631

■ 0.2567, 1.1539,
0.2856

■ 0.0000, 0.0236,
0.0000

■ 58.0859, 76.7640,
66.3991

■ 58.0859, 76.7640,
66.3991

■ 52.0252, 73.8151,
58.2848

■ 65.2545, 80.2724,
75.2873

■ 47.0072, 71.3860,
50.9181

■ 73.5792, 84.3583,
84.9645

■ 42.9693, 69.4472,
44.2785

■ 83.1127, 89.0508,
95.4519

■ 39.8391, 67.9617,
38.3427

■ 91.4310, 93.0997,
106.6526

■ 37.5336, 66.8871,
33.0859

■ 91.6421, 93.1842,
107.7640

■ 35.9527, 66.1724,
28.4813

■ 35.1556, 65.8256,
25.5470

Harmonies

Analogous

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



62.8301, 76.7640, 50.3510



58.0859, 76.7640, 66.3991



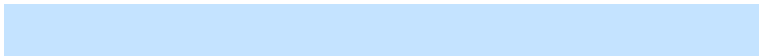
57.1575, 76.7640, 90.6777

Triad

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



58.0859, 76.7640, 66.3991



75.3988, 76.7640, 142.7702



87.4351, 76.7640, 56.6624

Complementary

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



58.0859, 76.7640, 66.3991



61.9715, 50.3400, 66.1281

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.



91.4401, 76.7640, 76.8682



58.0859, 76.7640, 66.3991



84.1282, 76.7640, 128.9320

Square

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



58.0859, 76.7640, 66.3991



66.6851, 76.7640, 138.3692



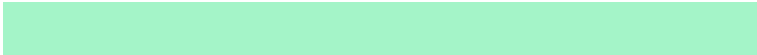
90.1828, 76.7640, 103.5018



79.6206, 76.7640, 45.5860

Rectangle

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



58.0859, 76.7640, 66.3991



58.7493, 76.7640, 109.0469



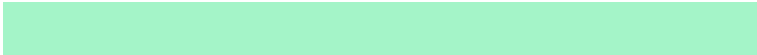
90.1828, 76.7640, 103.5018



89.2996, 76.7640, 62.4280

Sweetspot

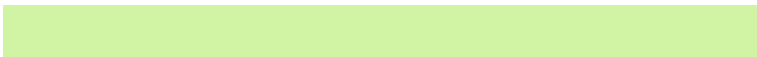
The Sweet Spot groups the original color and five complimentary colors.



58.0880, 76.7672, 66.4008



84.1063, 94.6097, 97.0278



65.4431, 80.9891, 47.3063



17.6965, 20.1000, 20.4264



0.0000, 0.0000, 0.0000



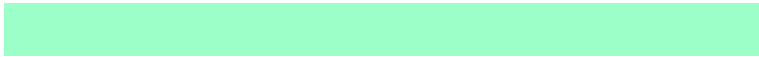
20.3446, 21.4041, 23.3091

Same Dimension

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



58.0880, 76.7672, 66.4008



59.8439, 82.7273, 67.6420



63.1939, 78.8095, 93.2880



16.5922, 18.5960, 19.1367



19.1815, 35.8175, 14.2417



1.7369, 3.1684, 1.5204

Inverse Universe

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



61.9715, 50.3400, 66.1281



64.7170, 49.5518, 67.2891



57.7787, 48.6629, 44.0493



16.8806, 16.6351, 19.1176



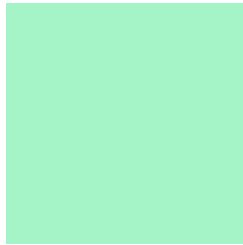
22.7036, 11.4249, 13.6795



2.0472, 1.0248, 1.4749

Previews

White Background



This preview shows how the XYZ color 58.0859, 76.7640, 66.3991 looks on a white background.

Color Contrast Check

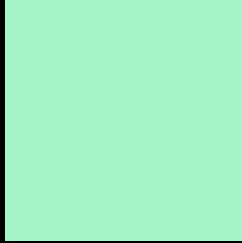
Large Text (above 18pt) WCAG AA × Fail

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 58.0859, 76.7640, 66.3991 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 58.0859, 76.7640, 66.3991

Background



This preview shows how black text looks on a background with the XYZ color 58.0859, 76.7640, 66.3991.

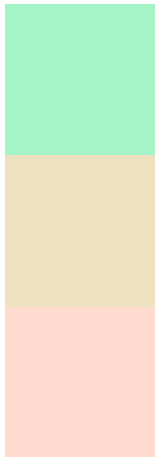


This preview shows how white text looks on a background with the XYZ color 58.0859, 76.7640,

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

58.0859, 76.7640, 66.3991

Protanopia

71.5891, 75.7892, 60.1458

Deuteranopia

77.4520, 75.8590, 68.9526



Tritanopia

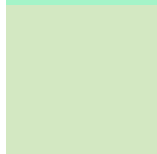
65.9499, 76.4410, 105.8864

Trichromacy



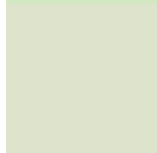
Original Color

58.0859, 76.7640, 66.3991



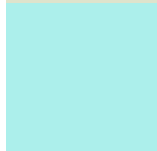
Protanomaly

65.4582, 75.4572, 62.1536



Deuteranomaly

68.4924, 74.8274, 67.9599



Tritanomaly

62.8752, 76.5018, 90.0497

Monochromacy



Original Color

58.0859, 76.7640, 66.3991



Achromatopsia

64.5905, 67.9542, 74.0022



Achromatomaly

61.5942, 70.7816, 71.3886

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.0859, 76.7640, 66.3991 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, 244, 200)` looks like.

```
.text, #text, p{  
    color:rgb(164, 244, 200)  
}
```

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, 244, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 244, 200) }
```

Border

The CSS property to change the border of an element to XYZ 58.0859, 76.7640, 66.3991 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, 244, 200) }
```


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

```
.border{ border-color:rgb(164, 244, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 244, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 244, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 244, 200);  
box-shadow:4px 4px 4px 4px rgb(164, 244,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 58.0859, 76.7640, 66.3991 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 244, 200) }
```

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

```
.background{ background-color: rgb(164,  
244, 200) }
```

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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