

Converting Colors

XYZ(59.5942, 76.6697, 70.7725)

Have a look what the booklet for
XYZ(59.5942, 76.6697, 70.7725)
contains.

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Color

**XYZ(59.5922, 76.5553,
70.6673)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | AAF2CF |
| RGB | 170, 242, 207 |
| RGB Percent | 67%, 95%, 81% |
| CMY | 0.3333, 0.0510, 0.1882 |
| CMYK | 0.30, 0.00, 0.14, 0.05 |
| HSL | 151°, 73%, 81% |
| HSV | 151°, 30%, 95% |
| XYZ | 59.5922, 76.5553, 70.6673 |
| YIQ | 216.4820, -31.6770, -26.1490 |

Conversions

Conversions Part 2

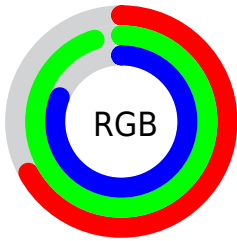
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 170, 218, 242 |
| Decimal | 11203279 |
| CIELab | 90.12, -29.45, 9.80 |
| CIELCh | 90, 31.042, 161.599 |
| Yxy | 76.5553, 0.2881, 0.3702 |
| Android (android.graphics.Color) | 4289393359 (0xFFAAF2CF) |
| YUV | 216.4820, -4.6746, -40.7647 |
| Hunter-Lab | 87.4959, -31.5440, 13.3607 |

Details

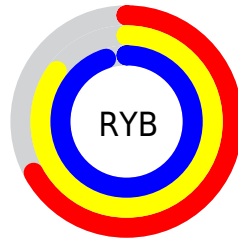
The XYZ color **59.5922, 76.5553, 70.6673** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **62.0148, 52.0364, 64.5363**, and the grayscale version is **65.6471, 69.0659, 75.2128**.

A 20% lighter version of the original color is **85.4886, 95.0709, 108.4525**, and **30.5111, 41.1307, 36.4679** is the 20% darker color. If you saturate the color by 10%, you get **53.4496, 73.5508, 63.1502**, and if you desaturate by 10%, it is **66.8092, 80.1054, 78.7975**.

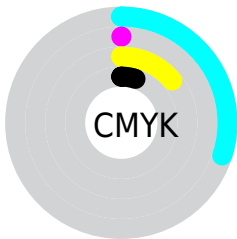
Distribution



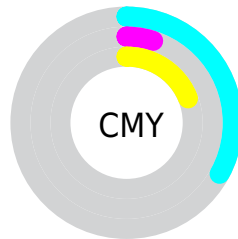
- Red (67%)
- Green (95%)
- Blue (81%)



- Red (67%)
- Yellow (85%)
- Blue (95%)



- Cyan (30%)
- Magenta (0%)
- Yellow (14%)
- Black (5%)





- Cyan (33%)
- Magenta (5%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.5922, 76.5553, 70.6673 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 59.5922, 76.5553, 70.6673 by changing the saturation by 10% instead.


 59.5922, 76.5553,
70.6673

 59.5922, 76.5553,
70.6673

412.9519,
483.2465, 481.7418

 43.3382, 56.8880,
51.5906


 103.3476,
128.5116, 121.8499

 30.3463, 40.9153,
36.2988


131.5797,
161.5693, 154.7929

 20.2509, 28.2529,
24.3736


164.5353,
199.8592, 193.1950

 12.6869, 18.5164,
15.3962

202.5796,
243.7658, 237.4748

 7.2888, 11.3214,
8.9482

246.0781,
293.6734, 288.0508

 3.6913, 6.2834,
4.6111


295.3960,


 1.5290, 3.0182,


349.9665, 345.3417


1.9662


350.8988,
413.0294, 409.7658


 0.3454, 1.1412,
0.5344


 0.0000, 0.0129,
0.0000


 59.5922, 76.5553,
70.6673

 59.5922, 76.5553,
70.6673

 53.4496, 73.5508,
63.1502


 66.8092, 80.1054,
78.7975


 48.3198, 71.0542,
56.2262

 75.1454, 84.2178,
87.5497

 44.1445, 69.0379,
49.8818

 84.6505, 88.9199,
96.9393

 40.8566, 67.4675,
44.1009

 90.8926, 91.9267,
106.7698

■ 38.3796, 66.3038,
38.8663

■ 91.0435, 91.9871,
107.5645

■ 36.6229, 65.5006,
34.1598

■ 35.4403, 64.9827,
29.9598

■ 35.4143, 64.9714,
29.8620

Harmonies

Analogous

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



63.3644, 76.5553, 55.4832



59.5922, 76.5553, 70.6673



59.1949, 76.5553, 92.1807

Triad

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



59.5922, 76.5553, 70.6673



75.7830, 76.5553, 132.2073



84.4137, 76.5553, 58.2411

Complementary

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



59.5922, 76.5553, 70.6673



62.0148, 52.0364, 64.5363

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.



88.2617, 76.5553, 75.1127



59.5922, 76.5553, 70.6673



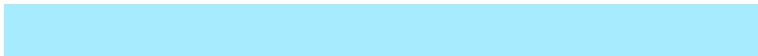
83.0490, 76.5553, 119.2793

Square

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



59.5922, 76.5553, 70.6673



68.1866, 76.5553, 130.4433



87.7453, 76.5553, 97.4787



77.5408, 76.5553, 49.2306

Rectangle

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



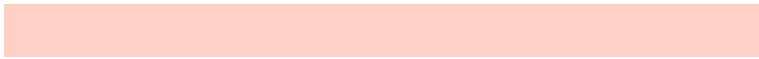
59.5922, 76.5553, 70.6673



60.8608, 76.5553, 107.6216



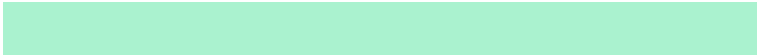
87.7453, 76.5553, 97.4787



86.1250, 76.5553, 63.0425

Sweetspot

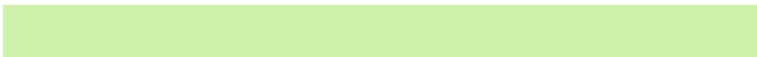
The Sweet Spot groups the original color and five complimentary colors.



59.5943, 76.5585, 70.6690



85.3603, 95.2063, 99.3409



64.4640, 79.5317, 49.9849



17.9572, 20.2232, 20.9441



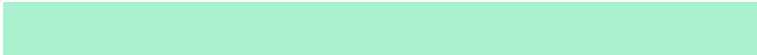
0.0000, 0.0000, 0.0000



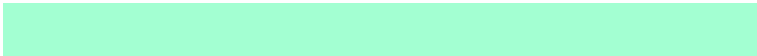
20.3446, 21.4041, 23.3091

Same Dimension

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



59.5943, 76.5585, 70.6690



62.5846, 83.9994, 74.1316



64.3593, 78.4645, 95.7612



15.9050, 17.7920, 18.5226



19.0935, 34.9294, 16.4070



1.6387, 2.9259, 1.6297

Inverse Universe

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



62.0148, 52.0364, 64.5363



65.7366, 52.0710, 66.1490



58.2506, 50.5307, 44.7146



16.0930, 15.8869, 18.0459



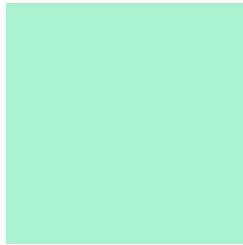
21.4853, 10.8666, 10.4723



1.8375, 0.9240, 1.1350

Previews

White Background



This preview shows how the XYZ color 59.5922, 76.5553, 70.6673 looks on a white background.

Color Contrast Check

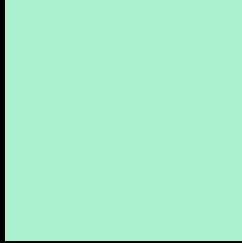
Large Text (above 18pt) WCAG AA × Fail

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 59.5922, 76.5553, 70.6673 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

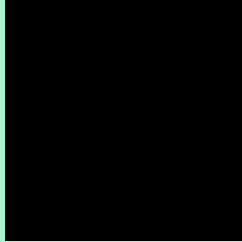
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 59.5922, 76.5553, 70.6673

Background



This preview shows how black text looks on a background with the XYZ color 59.5922, 76.5553, 70.6673.



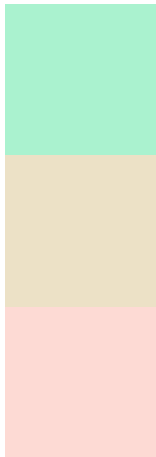
This preview shows how white text looks on a background with the XYZ color 59.5922, 76.5553,

70.6673.

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

59.5922, 76.5553, 70.6673

Protanopia

71.7103, 75.7605, 64.2698

Deuteranopia

77.4631, 75.7789, 72.8314



Tritanopia

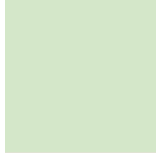
66.4201, 76.2757, 104.9879

Trichromacy



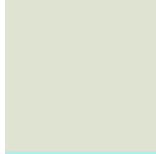
Original Color

59.5922, 76.5553, 70.6673



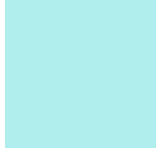
Protanomaly

66.2699, 75.3659, 66.3126



Deuteranomaly

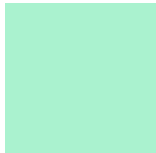
69.5334, 75.2793, 71.8383



Tritanomaly

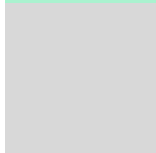
63.7651, 76.4936, 91.5247

Monochromacy



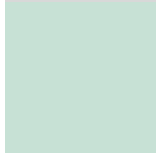
Original Color

59.5922, 76.5553, 70.6673



Achromatopsia

65.2694, 68.6685, 74.7800



Achromatomaly

62.4886, 70.7966, 73.3224

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.5922, 76.5553, 70.6673 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(170, 242, 207)` looks like.

```
.text, #text, p{  
    color:rgb(170, 242, 207)  
}
```

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(170, 242, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 242, 207) }
```

Border

The CSS property to change the border of an element to XYZ 59.5922, 76.5553, 70.6673 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(170, 242, 207) }
```


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

```
.border{ border-color:rgb(170, 242, 207) }
```

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

Here you see how a box with a 4 pixel rgb(170, 242, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 242, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 242, 207);  
box-shadow:4px 4px 4px 4px rgb(170, 242,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 59.5922, 76.5553, 70.6673 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 242, 207) }
```

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

```
.background{ background-color: rgb(170,  
242, 207) }
```

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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