

Converting Colors

XYZ(59.7488, 76.4716, 75.9767)

Have a look what the booklet for
XYZ(59.7488, 76.4716, 75.9767)
contains.

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Color

**XYZ(59.7438, 76.5175,
75.9105)**

Conversions

Conversions Part 1

Format	Color
Hex	A6F2D7
RGB	166, 242, 215
RGB Percent	65%, 95%, 84%
CMY	0.3490, 0.0510, 0.1569
CMYK	0.31, 0.00, 0.11, 0.05
HSL	159°, 75%, 80%
HSV	159°, 31%, 95%
XYZ	59.7438, 76.5175, 75.9105
YIQ	216.1980, -36.6290, -24.5090

Conversions

Conversions Part 2

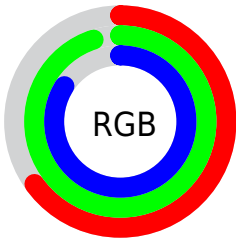
Format	Color
R_{YB}	166, 212, 242
Decimal	10941143
CIE _{Lab}	90.10, -29.02, 5.59
CIE _{LCh}	90, 29.550, 169.100
Yxy	76.5175, 0.2816, 0.3606
Android (android.graphics.Color)	4289131223 (0xFFA6F2D7)
YUV	216.1980, -0.5906, -44.0236
Hunter-Lab	87.4743, -31.1668, 9.7799

Details

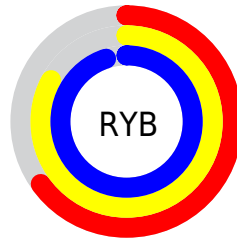
The XYZ color **59.7438, 76.5175, 75.9105** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **59.8825, 50.0020, 56.9505**, and the grayscale version is **65.4287, 68.8361, 74.9625**.

A 20% lighter version of the original color is **84.2414, 94.4280, 108.3942**, and **30.4596, 41.0354, 39.5729** is the 20% darker color. If you saturate the color by 10%, you get **54.0646, 73.7161, 70.0291**, and if you desaturate by 10%, it is **66.4399, 79.8404, 82.1459**.

Distribution



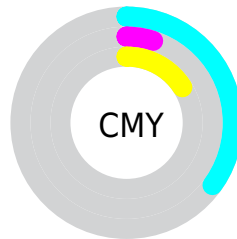
- Red (65%)
- Green (95%)
- Blue (84%)



- Red (65%)
- Yellow (83%)
- Blue (95%)



- Cyan (31%)
- Magenta (0%)
- Yellow (11%)
- Black (5%)





- Cyan (35%)
- Magenta (5%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.7438, 76.5175, 75.9105 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 59.7438, 76.5175, 75.9105 by changing the saturation by 10% instead.


 59.7438, 76.5175,
75.9105


 59.7438, 76.5175,
75.9105


413.5027,
483.1174, 500.3799

 43.4608, 56.8570,
55.8529


 103.5664,
128.4582, 129.3593

 30.4429, 40.8904,
39.6818


 131.8367,
161.5071, 163.5876

 20.3248, 28.2335,
26.9786


164.8336,
199.7875, 203.3766

 12.7410, 18.5017,
17.3249

202.9222,
243.6840, 249.1447

 7.3262, 11.3108,
10.3020

246.4681,
293.5808, 301.3106

 3.7151, 6.2763,
5.4914

295.8366,

 1.5422, 3.0138,

349.8624, 360.2927

2.4747

351.3930,
412.9131, 426.5096

■ 0.3543, 1.1389,
0.8267

■ 0.0000, 0.0110,
0.0000

■ 59.7438, 76.5175,
75.9105

■ 59.7438, 76.5175,
75.9105

■ 54.0646, 73.7161,
70.0291

■ 66.4399, 79.8404,
82.1459

■ 49.3414, 71.3989,
64.4893

■ 74.1967, 83.7014,
88.7370

■ 45.5163, 69.5382,
59.2854

■ 83.0634, 88.1276,
95.6921

■ 42.5224, 68.0997,
54.4094

■ 90.1540, 91.6311,
102.8805

■ 40.2831, 67.0438,
49.8528

■ 91.0435, 91.9869,
107.5645

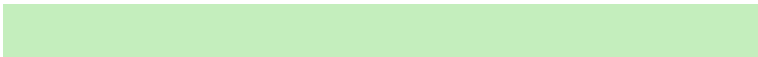
■ 38.7064, 66.3233,
45.6062

■ 37.7561, 65.9080,
42.1941

Harmonies

Analogous

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



62.5836, 76.5175, 59.5765



59.7438, 76.5175, 75.9105



60.2026, 76.5175, 97.2367

Triad

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



59.7438, 76.5175, 75.9105



77.4389, 76.5175, 127.5874



82.3541, 76.5175, 56.3712

Complementary

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



59.7438, 76.5175, 75.9105



59.8825, 50.0020, 56.9505

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.



86.8794, 76.5175, 70.7891



59.7438, 76.5175, 75.9105



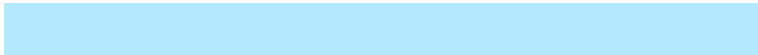
83.9124, 76.5175, 112.6446

Square

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



59.7438, 76.5175, 75.9105



70.0941, 76.5175, 129.5830



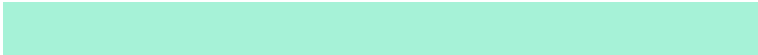
87.4681, 76.5175, 91.1850



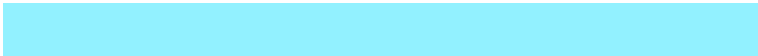
75.4262, 76.5175, 49.6240

Rectangle

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



59.7438, 76.5175, 75.9105



62.3264, 76.5175, 111.4606



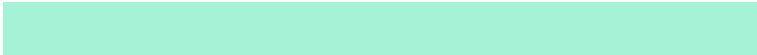
87.4681, 76.5175, 91.1850



84.2260, 76.5175, 60.3569

Sweetspot

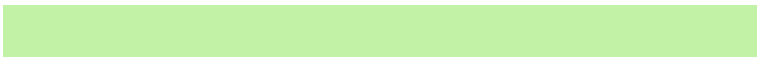
The Sweet Spot groups the original color and five complimentary colors.



59.7459, 76.5206, 75.9122



85.8197, 95.3901, 101.7602



60.8515, 77.7124, 47.8706



18.0704, 20.2685, 21.5406



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.



59.7459, 76.5206, 75.9122



62.8745, 83.9969, 81.0075



60.5745, 72.1590, 94.7434



15.9951, 17.8281, 18.9969



20.3495, 35.4318, 23.0211



1.7400, 2.9665, 2.1634

Inverse Universe

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



59.8825, 50.0020, 56.9505



63.0569, 49.5771, 56.4221



59.0548, 52.7355, 43.1442



16.0048, 15.8516, 17.5813



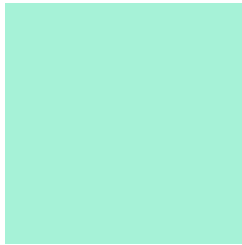
20.6323, 10.5254, 5.9804



1.7621, 0.8939, 0.7383

Previews

White Background



This preview shows how the XYZ color 59.7438, 76.5175, 75.9105 looks on a white background.

Color Contrast Check

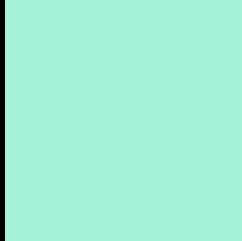
Large Text (above 18pt) WCAG AA × Fail

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 59.7438, 76.5175, 75.9105 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

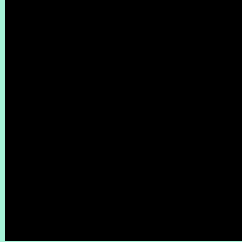
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

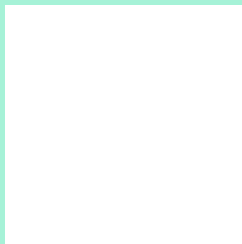
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 59.7438, 76.5175, 75.9105

Background



This preview shows how black text looks on a background with the XYZ color 59.7438, 76.5175, 75.9105.



This preview shows how white text looks on a background with the XYZ color 59.7438, 76.5175,

75.9105.

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

59.7438, 76.5175, 75.9105

Protanopia

71.9975, 75.7991, 69.2285

Deuteranopia

77.4140, 75.6341, 78.2288



Tritanopia

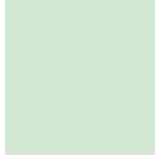
65.7246, 76.3249, 105.8759

Trichromacy



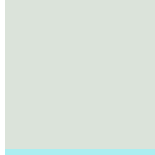
Original Color

59.7438, 76.5175, 75.9105



Protanomaly

66.3790, 75.3106, 71.3594



Deuteranomaly

69.3374, 75.0602, 77.1633



Tritanomaly

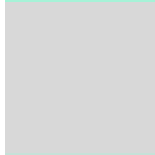
63.3160, 76.2110, 93.8112

Monochromacy



Original Color

59.7438, 76.5175, 75.9105



Achromatopsia

65.2694, 68.6685, 74.7800



Achromatomaly

62.6086, 70.8141, 75.3344

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.7438, 76.5175, 75.9105 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(166, 242, 215)` looks like.

```
.text, #text, p{  
    color:rgb(166, 242, 215)  
}
```

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(166, 242, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 242, 215) }
```

Border

The CSS property to change the border of an element to XYZ 59.7438, 76.5175, 75.9105 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(166, 242, 215) }
```


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

```
.border{ border-color:rgb(166, 242, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 242, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 242, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 242, 215);  
box-shadow:4px 4px 4px 4px rgb(166, 242,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 59.7438, 76.5175, 75.9105 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 242, 215) }
```

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

```
.background{ background-color: rgb(166,  
242, 215) }
```

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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