

Converting Colors

XYZ(63.5488, 75.2899,
102.4094)

Have a look what the booklet for
XYZ(63.5488, 75.2899, 102.4094)
contains.

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Color

**XYZ(63.5565, 75.2808,
102.4476)**

Conversions

Conversions Part 1

Format	Color
Hex	A8ECFB
RGB	168, 236, 251
RGB Percent	66%, 93%, 98%
CMY	0.3412, 0.0745, 0.0157
CMYK	0.33, 0.06, 0.00, 0.02
HSL	191°, 91%, 82%
HSV	191°, 33%, 98%
XYZ	63.5565, 75.2808, 102.4476
YIQ	217.3780, -45.3430, -9.7510

Conversions

Conversions Part 2

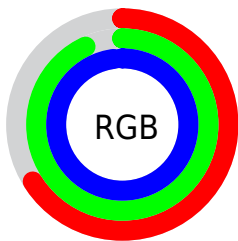
Format	Color
R _Y B	168, 205, 251
Decimal	11070715
CIE Lab	89.52, -17.62, -14.04
CIE LCh	90, 22.527, 218.557
Yxy	75.2808, 0.2634, 0.3120
Android (android.graphics.Color)	4289260795 (0xFFA8ECFB)
YUV	217.3780, 16.5756, -43.3045
Hunter-Lab	86.7645, -21.0836, -9.2718

Details

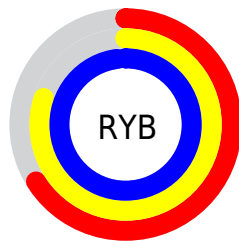
The XYZ color **63.5565, 75.2808, 102.4476** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **63.7861, 57.2041, 44.7272**, and the grayscale version is **66.1266, 69.5703, 75.7621**.

A 20% lighter version of the original color is **84.8613, 94.7476, 108.4232**, and **32.8689, 40.0483, 57.0366** is the 20% darker color. If you saturate the color by 10%, you get **57.4312, 70.2108, 101.7931**, and if you desaturate by 10%, it is **70.7509, 80.9547, 103.1649**.

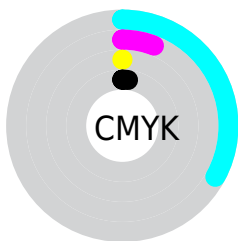
Distribution



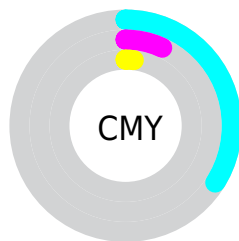
- Red (66%)
- Green (93%)
- Blue (98%)



- Red (66%)
- Yellow (80%)
- Blue (98%)



- Cyan (33%)
- Magenta (6%)
- Yellow (0%)
- Black (2%)



- Cyan (34%)
- Magenta (7%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.5565, 75.2808, 102.4476 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 63.5565, 75.2808, 102.4476 by changing the saturation by 10% instead.

63.5565, 75.2808,
102.4476

63.5565, 75.2808,
102.4476

427.2140,
478.8822, 589.3253

46.5519, 55.8430,
77.7180

109.0493,
126.7098, 166.5978

32.8880, 40.0770,
57.3272

138.2682,
159.4697, 206.8555

22.1995, 27.5986,
40.8569

172.2892,
197.4391, 253.1262

14.1210, 18.0233,
27.8884

211.4778,
241.0024, 305.8286

8.2871, 10.9667,
18.0033

256.1991,
290.5439, 365.3812

4.3326, 6.0445,
10.7829

306.8187,

1.8919, 2.8721,

346.4481, 432.2025

5.8087

363.7019,
409.0994, 506.7110

■ 0.5721, 1.0653,
2.6622

■ 0.0000, 0.0000,
0.9243

■ 63.5565, 75.2808,
102.4476

■ 63.5565, 75.2808,
102.4476

■ 57.4312, 70.2108,
101.7931

■ 70.7509, 80.9547,
103.1649

■ 52.3083, 65.7047,
101.1934

■ 79.0625, 87.2524,
103.9424

■ 48.1242, 61.7311,
100.6469

■ 88.5448, 94.2035,
104.7843

■ 44.8049, 58.2514,
100.1502

■ 94.1410, 99.2015,
105.4541

■ 42.2650, 55.2213,
99.6992

■ 94.4128, 99.7451,
105.5447

■ 40.4007, 52.5869,
99.2890

■ 39.3993, 50.9381,
99.0235

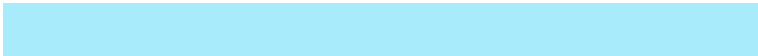
Harmonies

Analogous

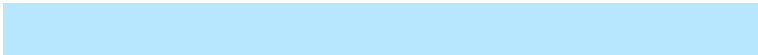
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



61.5458, 75.2808, 86.5823



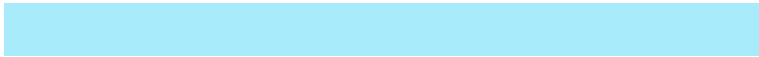
63.5565, 75.2808, 102.4476



67.7356, 75.2808, 113.6989

Triad

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



63.5565, 75.2808, 102.4476



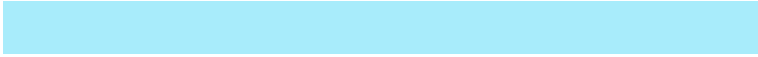
81.9106, 75.2808, 93.6100



69.9819, 75.2808, 55.3959

Complementary

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



63.5565, 75.2808, 102.4476



63.7861, 57.2041, 44.7272

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.



75.5094, 75.2808, 56.7691



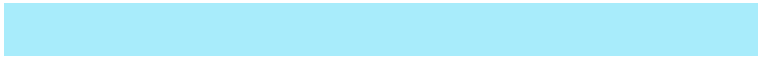
63.5565, 75.2808, 102.4476



82.5883, 75.2808, 77.5206

Square

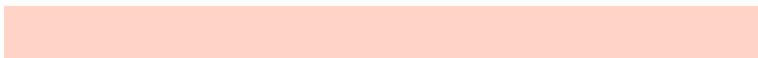
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



63.5565, 75.2808, 102.4476



78.3852, 75.2808, 108.1568



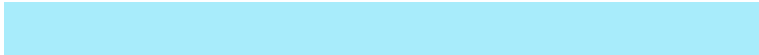
80.1917, 75.2808, 64.4175



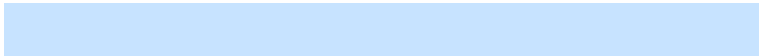
65.1282, 75.2808, 60.3897

Rectangle

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



63.5565, 75.2808, 102.4476



71.2848, 75.2808, 116.3281



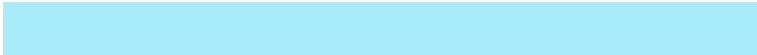
80.1917, 75.2808, 64.4175



71.8202, 75.2808, 55.1427

Sweetspot

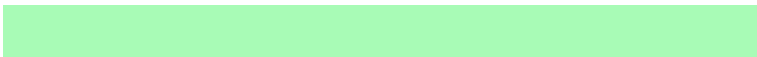
The Sweet Spot groups the original color and five complimentary colors.



63.5588, 75.2838, 102.4493



84.8305, 92.5757, 108.0056



59.0735, 80.6912, 56.6290



17.8712, 19.6036, 23.0919



0.0000, 0.0000, 0.0000



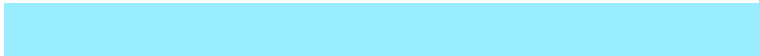
20.3446, 21.4041, 23.3091

Same Dimension

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



63.5588, 75.2838, 102.4493



61.3465, 74.3116, 105.7180



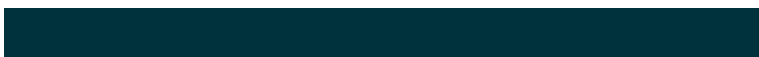
53.2276, 54.6214, 99.0056



17.4835, 19.0437, 22.1396



20.8082, 26.9719, 52.0829



1.9944, 2.6324, 4.8462

Inverse Universe

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



68.9285, 54.5725, 86.2608



67.8544, 50.1317, 85.8913



73.3299, 76.2917, 47.9085



17.8506, 17.4676, 21.0688



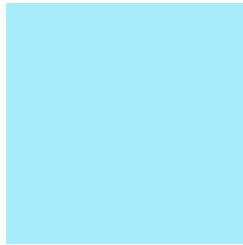
26.7950, 13.1337, 31.9587



2.5156, 1.2300, 3.1385

Previews

White Background



This preview shows how the XYZ color 63.5565, 75.2808, 102.4476 looks on a white background.

Color Contrast Check

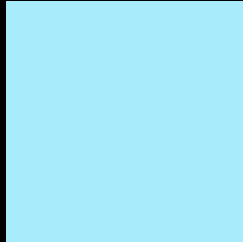
Large Text (above 18pt) WCAG AA × Fail

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 63.5565, 75.2808, 102.4476 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 63.5565, 75.2808, 102.4476

Background



This preview shows how black text looks on a background with the XYZ color 63.5565, 75.2808, 102.4476.

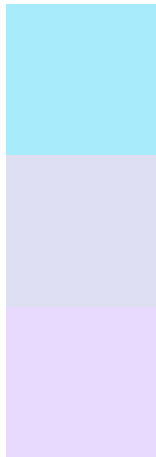


This preview shows how white text looks on a background with the XYZ color 63.5565, 75.2808,

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

63.5565, 75.2808, 102.4476

Protanopia

72.9968, 74.9344, 95.4105

Deuteranopia

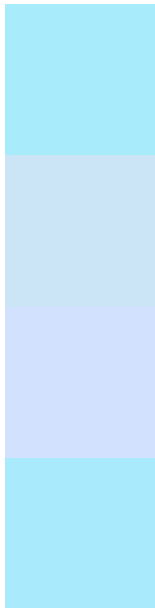
76.4001, 74.5186, 104.9646



Tritanopia

63.9599, 75.0074, 104.8728

Trichromacy



Original Color

63.5565, 75.2808, 102.4476

Protanomaly

69.0066, 74.8371, 97.9968

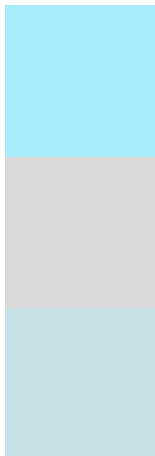
Deuteranomaly

71.1091, 74.5615, 104.4099

Tritanomaly

63.8001, 74.9435, 104.0314

Monochromacy



Original Color

63.5565, 75.2808, 102.4476

Achromatopsia

65.9525, 69.3872, 75.5626

Achromatomaly

64.3517, 71.1106, 84.4628

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.5565, 75.2808, 102.4476 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(168, 236, 251)` looks like.

```
.text, #text, p{  
    color:rgb(168, 236, 251)  
}
```

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(168, 236, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 236, 251) }
```

Border

The CSS property to change the border of an element to XYZ 63.5565, 75.2808, 102.4476 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(168, 236, 251) }
```


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

```
.border{ border-color:rgb(168, 236, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 236, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 236, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 236, 251);  
box-shadow:4px 4px 4px 4px rgb(168, 236,  
251) }
```

Background

The CSS property to change the background color of an element to XYZ 63.5565, 75.2808, 102.4476 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 236, 251) }
```

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

```
.background{ background-color: rgb(168,  
236, 251) }
```

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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