

Converting Colors

XYZ(64.1604, 75.3738,
105.7747)

Have a look what the booklet for
XYZ(64.1604, 75.3738, 105.7747)
contains.

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Color

**XYZ(64.1939, 75.5357,
105.8042)**

Conversions

Conversions Part 1

Format	Color
Hex	A8ECFF
RGB	168, 236, 255
RGB Percent	66%, 93%, 100%
CMY	0.3412, 0.0745, 0.0000
CMYK	0.34, 0.07, 0.00, 0.00
HSL	193°, 100%, 83%
HSV	193°, 34%, 100%
XYZ	64.1939, 75.5357, 105.8042
YIQ	217.8340, -46.6270, -8.5070

Conversions

Conversions Part 2

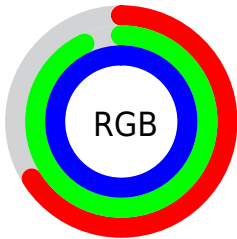
Format	Color
RYB	168, 206, 255
Decimal	11070719
CIELab	89.64, -16.67, -15.95
CIELCh	90, 23.075, 223.738
Yxy	75.5357, 0.2614, 0.3076
Android (android.graphics.Color)	4289260799 (0xFFA8ECFF)
YUV	217.8340, 18.3228, -43.7044
Hunter-Lab	86.9113, -20.2521, -11.3407

Details

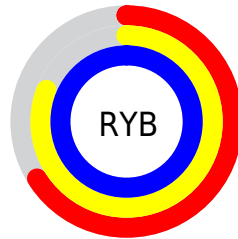
The XYZ color **64.1939, 75.5357, 105.8042** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **66.0785, 59.6279, 45.0743**, and the grayscale version is **66.4288, 69.8882, 76.1083**.

A 20% lighter version of the original color is **84.8613, 94.7476, 108.4232**, and **33.1964, 40.1645, 59.4290** is the 20% darker color. If you saturate the color by 10%, you get **57.7104, 69.8522, 105.0489**, and if you desaturate by 10%, it is **71.7960, 81.8737, 106.6269**.

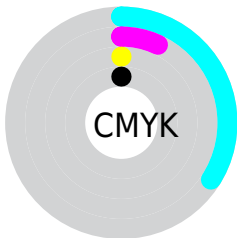
Distribution



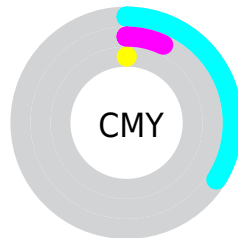
- Red (66%)
- Green (93%)
- Blue (100%)



- Red (66%)
- Yellow (81%)
- Blue (100%)



- Cyan (34%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (34%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.1939, 75.5357, 105.8042 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 64.1939, 75.5357, 105.8042 by changing the saturation by 10% instead.

64.1939, 75.5357,
105.8042

64.1939, 75.5357,
105.8042

429.4806,
479.7568, 600.0504

47.0700, 56.0519,
80.5128

109.9623,
127.0704, 171.2321

33.2992, 40.2445,
59.6118

139.3375,
159.8900, 212.2056

22.5161, 27.7292,
42.6826

173.5273,
197.9237, 259.2437

14.3553, 18.1217,
29.3066

212.8968,
241.5559, 312.7648

8.4516, 11.0374,
19.0653

257.8116,
291.1708, 373.1875

4.4394, 6.0920,
11.5402

308.6369,

1.9536, 2.9011,

347.1531, 440.9303

6.3127

365.7381,
409.8869, 516.4117

■ 0.6077, 1.0803,
2.9643

■ 0.0000, 0.0000,
1.0764

■ 64.1939, 75.5357,
105.8042

■ 64.1939, 75.5357,
105.8042

■ 57.7104, 69.8522,
105.0489

■ 71.7960, 81.8737,
106.6269

■ 52.2762, 64.7814,
104.3565

■ 80.5683, 88.8880,
107.5184

■ 47.8241, 60.2897,
103.7242

■ 90.5666, 96.6098,
108.4819

■ 44.2759, 56.3361,
103.1481

95.0500, 100.0000,
108.9000

■ 41.5407, 52.8732,
102.6239

■ 39.5078, 49.8430,
102.1461

■ 38.5471, 48.2143,
101.8824

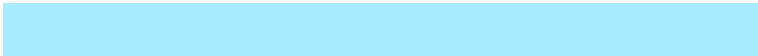
Harmonies

Analogous

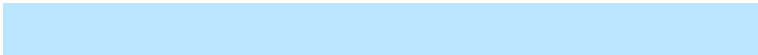
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



61.7056, 75.5357, 89.8944



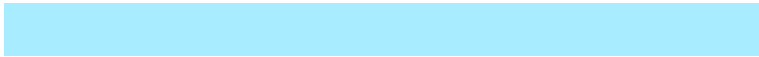
64.1939, 75.5357, 105.8042



68.7813, 75.5357, 116.0503

Triad

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



64.1939, 75.5357, 105.8042



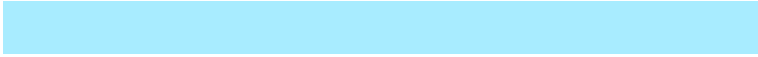
82.7901, 75.5357, 91.3128



69.2335, 75.5357, 55.4652

Complementary

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



64.1939, 75.5357, 105.8042



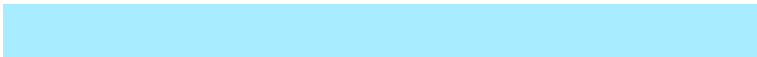
66.0785, 59.6279, 45.0743

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.



74.8943, 75.5357, 55.7396



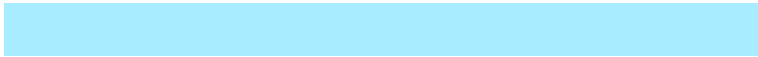
64.1939, 75.5357, 105.8042



82.9270, 75.5357, 75.0433

Square

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



64.1939, 75.5357, 105.8042



79.6077, 75.5357, 106.9598



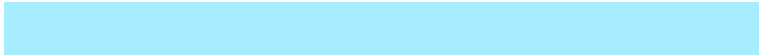
79.9724, 75.5357, 62.4724



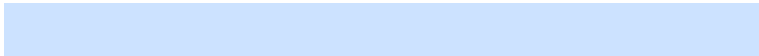
64.5099, 75.5357, 61.6655

Rectangle

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



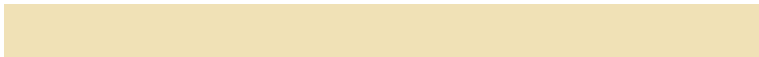
64.1939, 75.5357, 105.8042



72.5084, 75.5357, 117.5462



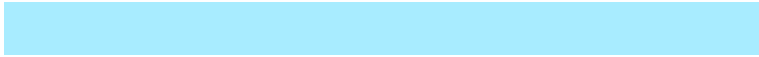
79.9724, 75.5357, 62.4724



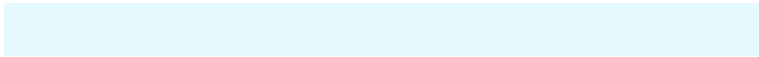
71.0852, 75.5357, 54.8310

Sweetspot

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



64.1960, 75.5386, 105.8047



84.5323, 91.9791, 107.9062



60.8632, 83.4268, 59.8265



17.7986, 19.4585, 23.0677



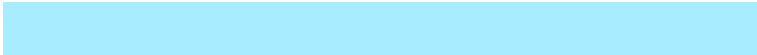
0.0000, 0.0000, 0.0000



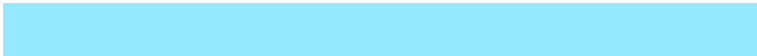
20.3446, 21.4041, 23.3091

Same Dimension

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



64.1960, 75.5386, 105.8047



59.6155, 71.5565, 105.2775



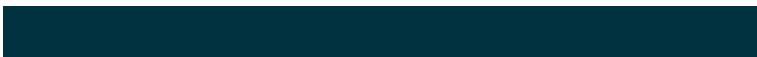
53.1926, 53.5319, 102.1369



18.1986, 19.7687, 23.1065



20.2567, 25.4229, 53.2741



2.0517, 2.6340, 5.2136

Inverse Universe

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



70.3843, 55.3231, 86.3288



66.8081, 49.0525, 82.4184



76.7029, 80.8766, 48.6158



18.6129, 18.2285, 21.8445



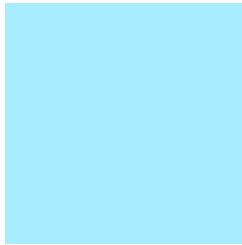
27.0128, 13.2944, 29.7817



2.6702, 1.3105, 3.1106

Previews

White Background



This preview shows how the XYZ color 64.1939, 75.5357, 105.8042 looks on a white background.

Color Contrast Check

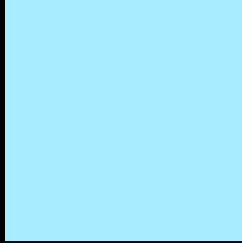
Large Text (above 18pt) WCAG AA × Fail

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 64.1939, 75.5357, 105.8042 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 64.1939, 75.5357, 105.8042

Background



This preview shows how black text looks on a background with the XYZ color 64.1939, 75.5357, 105.8042.

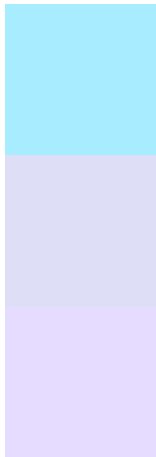


This preview shows how white text looks on a background with the XYZ color 64.1939, 75.5357,

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

64.1939, 75.5357, 105.8042

Protanopia

73.3004, 75.0203, 98.6127

Deuteranopia

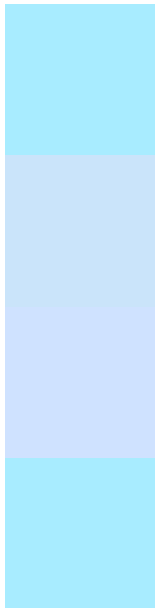
76.2763, 75.2294, 105.1083



Tritanopia

64.1939, 75.5357, 105.8042

Trichromacy



Original Color

64.1939, 75.5357, 105.8042

Protanomaly

69.3558, 74.9455, 101.2530

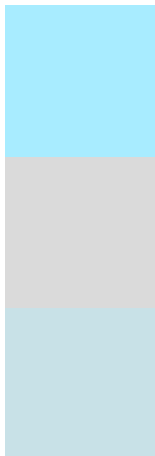
Deuteranomaly

70.9785, 74.8781, 105.3197

Tritanomaly

64.1939, 75.5357, 105.8042

Monochromacy



Original Color

64.1939, 75.5357, 105.8042

Achromatopsia

66.6397, 70.1102, 76.3500

Achromatomaly

65.1684, 71.8993, 86.0445

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.1939, 75.5357, 105.8042 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, 255)` looks like.

```
.text, #text, p{  
    color:rgb(168, 236, 255)  
}
```

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, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 236, 255) }
```

Border

The CSS property to change the border of an element to XYZ 64.1939, 75.5357, 105.8042 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, 255) }
```


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

```
.border{ border-color:rgb(168, 236, 255) }
```

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, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 236, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 236, 255);  
box-shadow:4px 4px 4px 4px rgb(168, 236,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 64.1939, 75.5357, 105.8042 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, 255) }
```

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

```
.background{ background-color: rgb(168,  
236, 255) }
```

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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