

Converting Colors

XYZ(64.2974, 75.5169,
105.7951)

Have a look what the booklet for
XYZ(64.2974, 75.5169, 105.7951)
contains.

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Color

**XYZ(64.4076, 75.6459,
105.8142)**

Conversions

Conversions Part 1

Format	Color
Hex	A9ECFF
RGB	169, 236, 255
RGB Percent	66%, 93%, 100%
CMY	0.3372, 0.0745, 0.0000
CMYK	0.34, 0.07, 0.00, 0.00
HSL	193°, 100%, 83%
HSV	193°, 34%, 100%
XYZ	64.4076, 75.6459, 105.8142
YIQ	218.1330, -46.0310, -8.2950

Conversions

Conversions Part 2

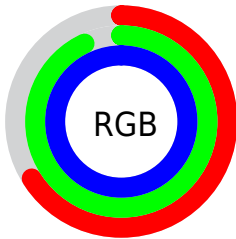
Format	Color
R _Y B	169, 207, 255
Decimal	11136255
CIE Lab	89.69, -16.41, -15.87
CIE LCh	90, 22.827, 224.049
Yxy	75.6459, 0.2620, 0.3077
Android (android.graphics.Color)	4289326335 (0xFFA9ECFF)
YUV	218.1330, 18.1754, -43.0896
Hunter-Lab	86.9747, -20.0205, -11.2505

Details

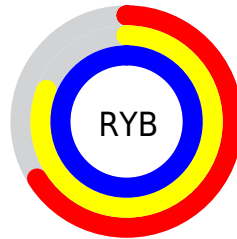
The XYZ color **64.4076, 75.6459, 105.8142** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **66.3849, 60.0909, 45.6378**, and the grayscale version is **66.6353, 70.1056, 76.3450**.

A 20% lighter version of the original color is **85.1740, 94.9088, 108.4378**, and **33.3244, 40.2304, 59.4350** is the 20% darker color. If you saturate the color by 10%, you get **57.8654, 69.9054, 105.0510**, and if you desaturate by 10%, it is **72.0718, 82.0445, 106.6453**.

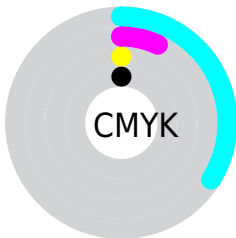
Distribution



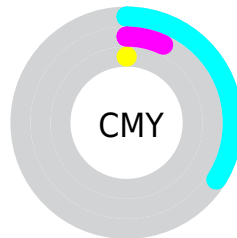
- Red (66%)
- Green (93%)
- Blue (100%)



- 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 64.4076, 75.6459, 105.8142 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 64.4076, 75.6459, 105.8142 by changing the saturation by 10% instead.

64.4076, 75.6459,
105.8142

64.4076, 75.6459,
105.8142

430.2390,
480.1347, 600.0822

47.2438, 56.1422,
80.5212

110.2682,
127.2262, 171.2458

33.4372, 40.3169,
59.6186

139.6957,
160.0717, 212.2216

22.6224, 27.7857,
42.6880

173.9418,
198.1331, 259.2619

14.4341, 18.1642,
29.3108

213.3719,
241.7950, 312.7854

8.5069, 11.0679,
19.0685

258.3513,
291.4417, 373.2107

4.4755, 6.1126,
11.5425

309.2454,

1.9745, 2.9136,

347.4576, 440.9562

6.3142

366.4195,
410.2272, 516.4405

■ 0.6196, 1.0868,
2.9652

■ 0.0000, 0.0000,
1.0769

■ 64.4076, 75.6459,
105.8142

■ 64.4076, 75.6459,
105.8142

■ 57.8654, 69.9054,
105.0510

■ 72.0718, 82.0445,
106.6453

■ 52.3764, 64.7812,
104.3512

■ 80.9096, 89.1228,
107.5458

■ 47.8734, 60.2398,
103.7120

■ 90.9766, 96.9121,
108.5187

■ 44.2785, 56.2405,
103.1295

95.0500, 100.0000,
108.9000

■ 41.5018, 52.7360,
102.5994

■ 39.4331, 49.6690,
102.1165

■ 38.3983, 47.9166,
101.8328

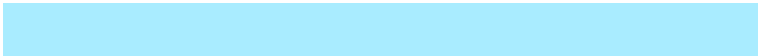
Harmonies

Analogous

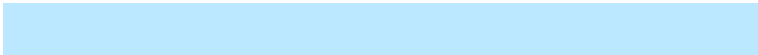
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



61.9162, 75.6459, 90.1098



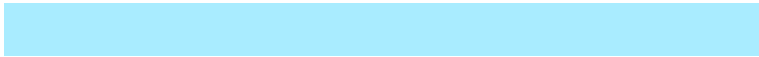
64.4076, 75.6459, 105.8142



68.9697, 75.6459, 115.8541

Triad

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



64.4076, 75.6459, 105.8142



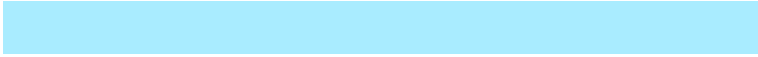
82.7993, 75.6459, 91.1680



69.3074, 75.6459, 55.8401

Complementary

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



64.4076, 75.6459, 105.8142



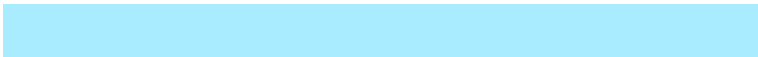
66.3849, 60.0909, 45.6378

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.



74.9104, 75.6459, 56.0456



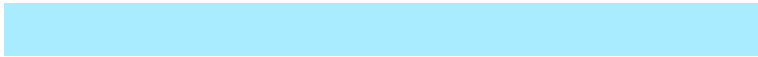
64.4076, 75.6459, 105.8142



82.9014, 75.6459, 75.0782

Square

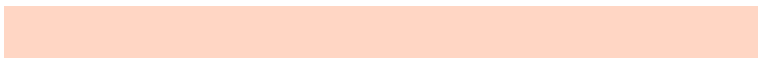
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



64.4076, 75.6459, 105.8142



79.6781, 75.6459, 106.6754



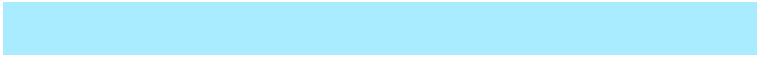
79.9502, 75.6459, 62.6653



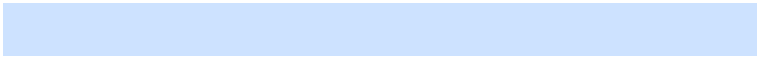
64.6437, 75.6459, 62.0615

Rectangle

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



64.4076, 75.6459, 105.8142



72.6649, 75.6459, 117.2589



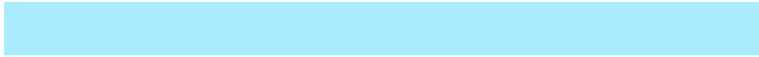
79.9502, 75.6459, 62.6653



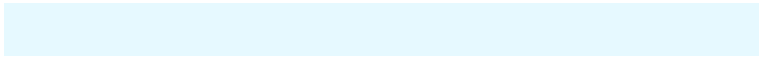
71.1388, 75.6459, 55.1878

Sweetspot

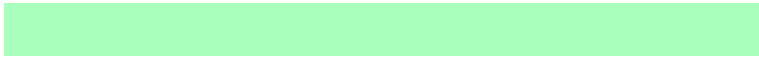
The Sweet Spot groups the original color and five complimentary colors.



64.4097, 75.6488, 105.8147



84.5122, 91.9390, 107.8995



61.1609, 83.5706, 60.2788



17.7938, 19.4488, 23.0661



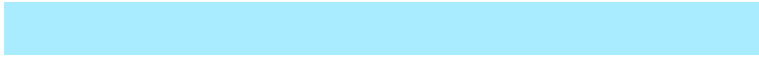
0.0000, 0.0000, 0.0000



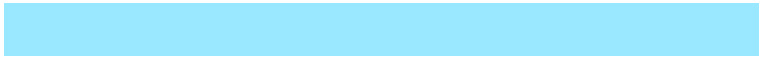
20.3446, 21.4041, 23.3091

Same Dimension

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



64.4097, 75.6488, 105.8147



60.1757, 71.9701, 105.3278



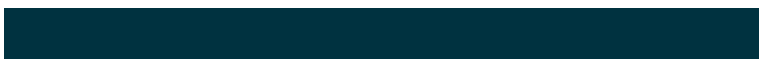
53.5647, 53.9588, 102.1997



18.1945, 19.7605, 23.1052



20.1797, 25.2690, 53.2484



2.0448, 2.6203, 5.2113

Inverse Universe

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



70.5696, 55.6937, 86.3907



67.2635, 49.8954, 82.7794



76.8755, 81.0721, 49.1346



18.6108, 18.2276, 21.8336



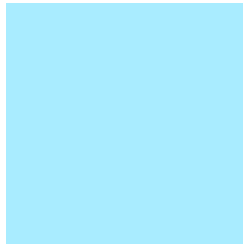
26.9740, 13.2789, 29.5772



2.6667, 1.3091, 3.0923

Previews

White Background



This preview shows how the XYZ color 64.4076, 75.6459, 105.8142 looks on a white background.

Color Contrast Check

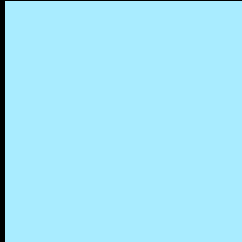
Large Text (above 18pt) WCAG AA × Fail

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 64.4076, 75.6459, 105.8142 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 64.4076, 75.6459, 105.8142

Background



This preview shows how black text looks on a background with the XYZ color 64.4076, 75.6459, 105.8142.

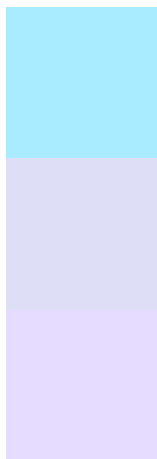


This preview shows how white text looks on a background with the XYZ color 64.4076, 75.6459,

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

64.4076, 75.6459, 105.8142

Protanopia

73.3004, 75.0203, 98.6127

Deuteranopia

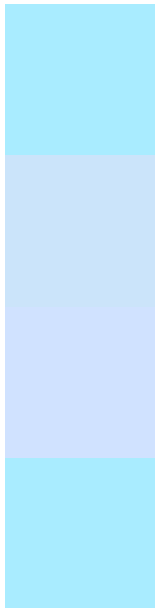
76.2763, 75.2294, 105.1083



Tritanopia

64.4076, 75.6459, 105.8142

Trichromacy



Original Color

64.4076, 75.6459, 105.8142

Protanomaly

69.6273, 75.0854, 101.2657

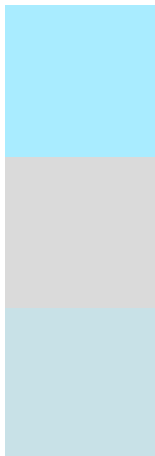
Deuteranomaly

71.2588, 75.0226, 105.3328

Tritanomaly

64.4076, 75.6459, 105.8142

Monochromacy



Original Color

64.4076, 75.6459, 105.8142

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 64.4076, 75.6459, 105.8142 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(169, 236, 255)` looks like.

```
.text, #text, p{  
    color:rgb(169, 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(169, 236, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 236, 255) }
```

Border

The CSS property to change the border of an element to XYZ 64.4076, 75.6459, 105.8142 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(169, 236, 255) }
```


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

```
.border{ border-color:rgb(169, 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(169, 236, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 236, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 236, 255);  
box-shadow:4px 4px 4px 4px rgb(169, 236,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 64.4076, 75.6459, 105.8142 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 236, 255) }
```

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

```
.background{ background-color: rgb(169,  
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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