

Converting Colors

XYZ(64.4274, 76.6217,
106.0015)

Have a look what the booklet for
XYZ(64.4274, 76.6217, 106.0015)
contains.

XYZ(64.3504, 76.4761, 105.9775)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(64.3504, 76.4761,
105.9775)**

Conversions

Conversions Part 1

Format	Color
Hex	A6EEFF
RGB	166, 238, 255
RGB Percent	65%, 93%, 100%
CMY	0.3490, 0.0666, 0.0000
CMYK	0.35, 0.07, 0.00, 0.00
HSL	191°, 100%, 83%
HSV	191°, 35%, 100%
XYZ	64.3504, 76.4761, 105.9775
YIQ	218.4100, -48.3690, -9.9770

Conversions

Conversions Part 2

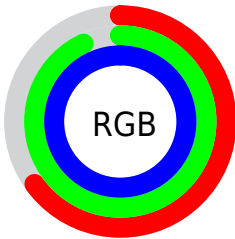
Format	Color
R _Y B	166, 206, 255
Decimal	10940159
CIE Lab	90.08, -18.20, -15.31
CIE LCh	90, 23.780, 220.072
Yxy	76.4761, 0.2607, 0.3099
Android (android.graphics.Color)	4289130239 (0xFFA6EEFF)
YUV	218.4100, 18.0389, -45.9636
Hunter-Lab	87.4506, -21.6896, -10.6355

Details

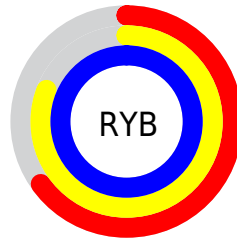
The XYZ color **64.3504, 76.4761, 105.9775** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **65.0566, 57.8800, 43.8213**, and the grayscale version is **66.8285, 70.3088, 76.5663**.

A 20% lighter version of the original color is **84.5505, 94.5873, 108.4086**, and **33.3514, 40.8481, 59.5527** is the 20% darker color. If you saturate the color by 10%, you get **58.1273, 71.1934, 105.2858**, and if you desaturate by 10%, it is **71.6757, 82.3876, 106.7324**.

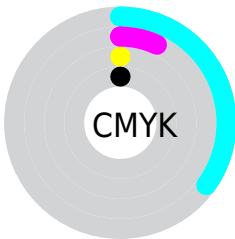
Distribution



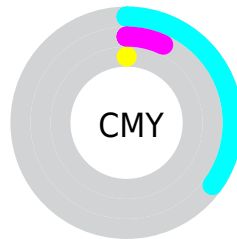
- Red (65%)
- Green (93%)
- Blue (100%)



- Red (65%)
- Yellow (81%)
- Blue (100%)



- Cyan (35%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (35%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.3504, 76.4761, 105.9775 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 64.3504, 76.4761, 105.9775 by changing the saturation by 10% instead.

64.3504, 76.4761,
105.9775

64.3504, 76.4761,
105.9775

430.0361,
482.9759, 600.6014

47.1973, 56.8230,
80.6573

110.1863,
128.3997, 171.4709

33.4002, 40.8631,
59.7300

139.5999,
161.4389, 212.4812

22.5939, 28.2122,
42.7772

173.8309,
199.7090, 259.5587

14.4130, 18.4857,
29.3802

213.2448,
243.5944, 313.1217

8.4921, 11.2992,
19.1206

258.2069,
293.4793, 373.5890

4.4658, 6.2685,
11.5798

309.0826,

1.9689, 3.0090,

349.7483, 441.3790

6.3392

366.2372,
412.7857, 516.9103

■ 0.6164, 1.1364,
2.9803

■ 0.0000, 0.0088,
1.0846

■ 64.3504, 76.4761,
105.9775

■ 64.3504, 76.4761,
105.9775

■ 58.1273, 71.1934,
105.2858

■ 71.6757, 82.3876,
106.7324

■ 52.9371, 66.4978,
104.6530

■ 80.1551, 88.9497,
107.5521

■ 48.7117, 62.3556,
104.0762

■ 89.8445, 96.1933,
108.4396

■ 45.3725, 58.7259,
103.5516

95.0500, 100.0000,
108.9000

■ 42.8276, 55.5608,
103.0748

■ 40.9640, 52.8016,
102.6404

■ 40.1943, 51.5085,
102.4314

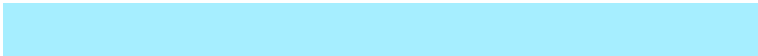
Harmonies

Analogous

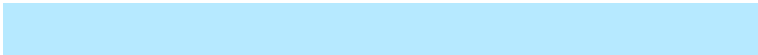
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



62.0839, 76.4761, 89.0799



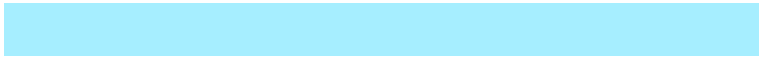
64.3504, 76.4761, 105.9775



68.8908, 76.4761, 117.6894

Triad

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



64.3504, 76.4761, 105.9775



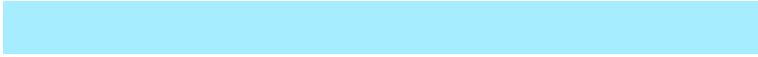
83.8801, 76.4761, 94.8378



70.7228, 76.4761, 55.2091

Complementary

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



64.3504, 76.4761, 105.9775



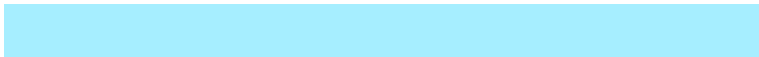
65.0566, 57.8800, 43.8213

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.



76.6227, 76.4761, 56.3146



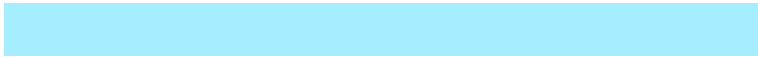
64.3504, 76.4761, 105.9775



84.4362, 76.4761, 77.7174

Square

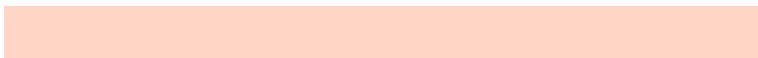
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



64.3504, 76.4761, 105.9775



80.2363, 76.4761, 110.6795



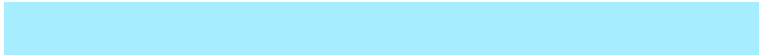
81.7169, 76.4761, 64.0616



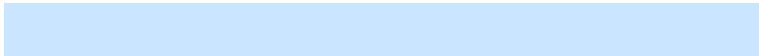
65.6291, 76.4761, 60.8054

Rectangle

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



64.3504, 76.4761, 105.9775



72.7025, 76.4761, 120.1557



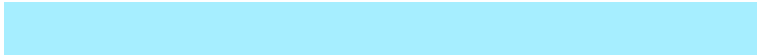
81.7169, 76.4761, 64.0616



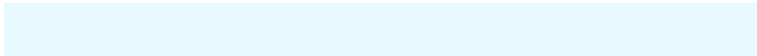
72.6740, 76.4761, 54.8294

Sweetspot

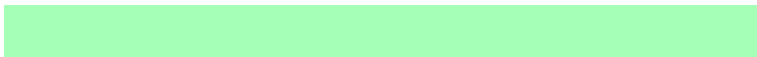
The Sweet Spot groups the original color and five complimentary colors.



64.3525, 76.4790, 105.9779



84.7490, 92.4126, 107.9784



59.9632, 83.0180, 57.2931



17.8513, 19.5639, 23.0853



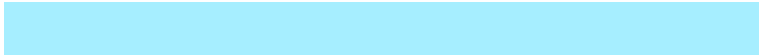
0.0000, 0.0000, 0.0000



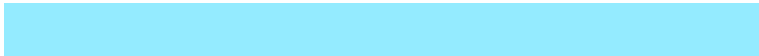
20.3446, 21.4041, 23.3091

Same Dimension

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



64.3525, 76.4790, 105.9779



59.8235, 72.6642, 105.4803



53.1098, 53.9937, 102.2304



18.2427, 19.8570, 23.1212



21.1075, 27.1245, 53.5577



2.1274, 2.7856, 5.2388

Inverse Universe

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



70.3101, 54.7071, 87.7461



66.7443, 48.3805, 84.0752



75.5426, 78.8519, 47.3166



18.6352, 18.2374, 21.9618



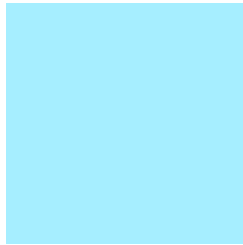
27.4423, 13.4662, 32.0432



2.7084, 1.3258, 3.3121

Previews

White Background



This preview shows how the XYZ color 64.3504, 76.4761, 105.9775 looks on a white background.

Color Contrast Check

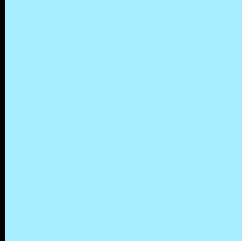
Large Text (above 18pt) WCAG AA × Fail

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 64.3504, 76.4761, 105.9775 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 64.3504, 76.4761, 105.9775

Background



This preview shows how black text looks on a background with the XYZ color 64.3504, 76.4761, 105.9775.

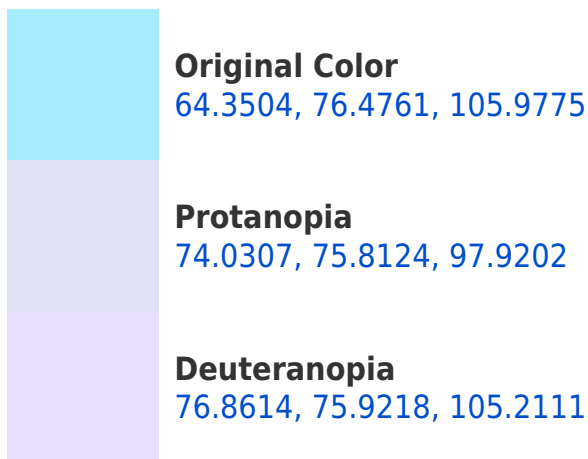


This preview shows how white text looks on a background with the XYZ color 64.3504, 76.4761,

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





Tritanopia

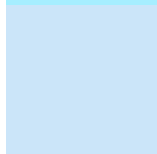
65.1288, 76.4463, 105.9307

Trichromacy



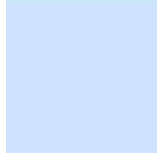
Original Color

64.3504, 76.4761, 105.9775



Protanomaly

69.7468, 75.5747, 100.5339



Deuteranomaly

71.2512, 75.4236, 105.4106



Tritanomaly

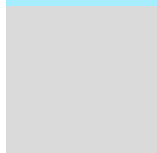
64.6964, 76.2234, 105.9105

Monochromacy



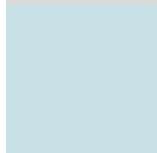
Original Color

64.3504, 76.4761, 105.9775



Achromatopsia

66.6397, 70.1102, 76.3500



Achromatomaly

64.9022, 71.7621, 86.0321

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.3504, 76.4761, 105.9775 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, 238, 255)` looks like.

```
.text, #text, p{  
    color:rgb(166, 238, 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(166, 238, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 238, 255) }
```

Border

The CSS property to change the border of an element to XYZ 64.3504, 76.4761, 105.9775 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, 238, 255) }
```


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

```
.border{ border-color:rgb(166, 238, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 238, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 238, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 238, 255);  
box-shadow:4px 4px 4px 4px rgb(166, 238,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 64.3504, 76.4761, 105.9775 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 238, 255) }
```

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

```
.background{ background-color: rgb(166,  
238, 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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