

Converting Colors

XYZ(74.6221, 80.0370,
164.3661)

Have a look what the booklet for
XYZ(74.6221, 80.0370, 164.3661)
contains.

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Color

**XYZ(63.4384, 75.5749,
105.8516)**

Conversions

Conversions Part 1

Format	Color
Hex	A3EDFF
RGB	163, 237, 255
RGB Percent	64%, 93%, 100%
CMY	0.3608, 0.0706, 0.0000
CMYK	0.36, 0.07, 0.00, 0.00
HSL	192°, 100%, 82%
HSV	192°, 36%, 100%
XYZ	63.4384, 75.5749, 105.8516
YIQ	216.9260, -49.8820, -10.0900

Conversions

Conversions Part 2

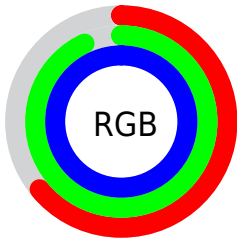
Format	Color
R _Y B	163, 204, 255
Decimal	10743295
CIE Lab	89.66, -18.48, -15.95
CIE LCh	90, 24.411, 220.802
Yxy	75.5749, 0.2591, 0.3086
Android (android.graphics.Color)	4288933375 (0xFFA3EDFF)
YUV	216.9260, 18.7705, -47.2931
Hunter-Lab	86.9338, -21.8770, -11.3385

Details

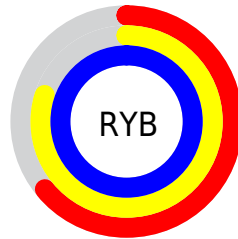
The XYZ color **63.4384, 75.5749, 105.8516** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **64.3750, 56.9520, 42.2520**, and the grayscale version is **65.8044, 69.2313, 75.3929**.

A 20% lighter version of the original color is **83.6288, 94.1122, 108.3655**, and **32.7803, 40.2508, 59.4675** is the 20% darker color. If you saturate the color by 10%, you get **57.3105, 70.3033, 105.1571**, and if you desaturate by 10%, it is **70.6632, 81.4752, 106.6097**.

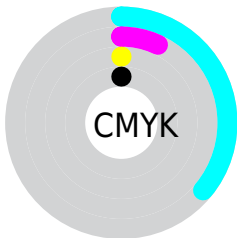
Distribution



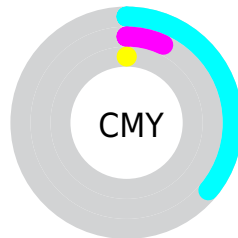
- Red (64%)
- Green (93%)
- Blue (100%)



- Red (64%)
- Yellow (80%)
- Blue (100%)



- Cyan (36%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (36%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.4384, 75.5749, 105.8516 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 63.4384, 75.5749, 105.8516 by changing the saturation by 10% instead.

63.4384, 75.5749,
105.8516

63.4384, 75.5749,
105.8516

426.7932,
479.8913, 600.2011

46.4559, 56.0840,
80.5524

108.8800,
127.1258, 171.2974

32.8119, 40.2703,
59.6441

138.0699,
159.9546, 212.2810

22.1409, 27.7493,
42.7085

172.0596,
197.9982, 259.3299

14.0777, 18.1368,
29.3267

211.2145,
241.6409, 312.8625

8.2568, 11.0482,
19.0804

255.8999,
291.2672, 373.2973

4.3129, 6.0993,
11.5510

306.4813,

1.8806, 2.9056,

347.2614, 441.0530

6.3199

363.3239,
410.0080, 516.5481

■ 0.5655, 1.0826,
2.9687

■ 0.0000, 0.0000,
1.0787

■ 63.4384, 75.5749,
105.8516

■ 63.4384, 75.5749,
105.8516

■ 57.3105, 70.3033,
105.1571

■ 70.6632, 81.4752,
106.6097

■ 52.2093, 65.6185,
104.5216

■ 79.0375, 88.0264,
107.4328

■ 48.0662, 61.4861,
103.9424

■ 88.6175, 95.2597,
108.3241

■ 44.8009, 57.8646,
103.4155

95.0500, 100.0000,
108.9000

■ 42.3197, 54.7049,
102.9364

■ 40.5063, 51.9467,
102.4996

■ 39.9097, 50.9393,
102.3366

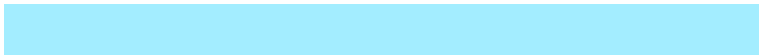
Harmonies

Analogous

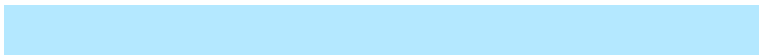
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



61.0729, 75.5749, 88.6448



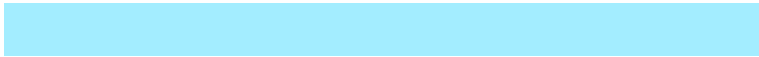
63.4384, 75.5749, 105.8516



68.1001, 75.5749, 117.6477

Triad

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



63.4384, 75.5749, 105.8516



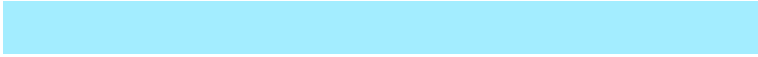
83.3011, 75.5749, 93.6520



69.6886, 75.5749, 53.8844

Complementary

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



63.4384, 75.5749, 105.8516



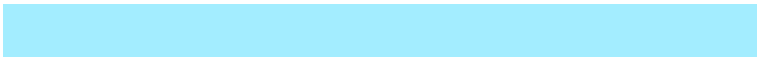
64.3750, 56.9520, 42.2520

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.



75.6971, 75.5749, 54.8352



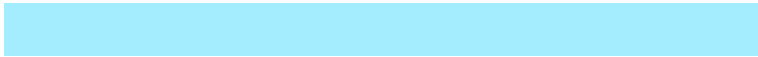
63.4384, 75.5749, 105.8516



83.7851, 75.5749, 76.2430

Square

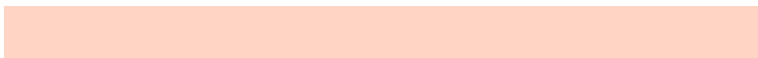
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



63.4384, 75.5749, 105.8516



79.6466, 75.5749, 109.9538



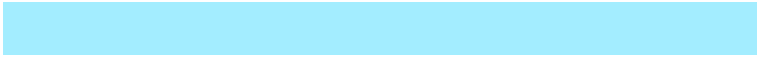
80.9344, 75.5749, 62.5101



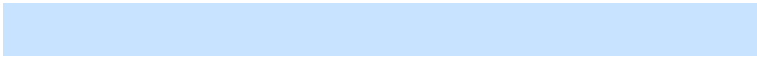
64.5454, 75.5749, 59.7023

Rectangle

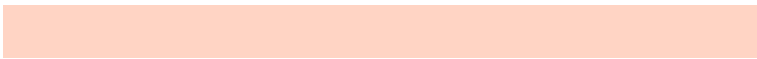
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



63.4384, 75.5749, 105.8516



71.9935, 75.5749, 119.9936



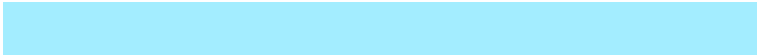
80.9344, 75.5749, 62.5101



71.6701, 75.5749, 53.4461

Sweetspot

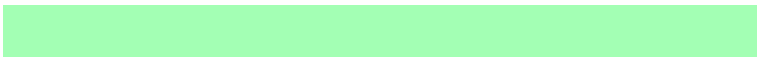
The Sweet Spot groups the original color and five complimentary colors.



63.4405, 75.5778, 105.8520



83.7473, 91.6117, 107.8766



59.0900, 82.5969, 55.9389



17.6495, 19.4000, 23.0643



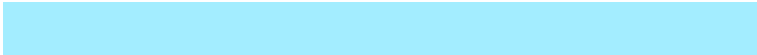
0.0000, 0.0000, 0.0000



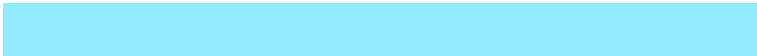
20.3446, 21.4041, 23.3091

Same Dimension

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



63.4405, 75.5778, 105.8520



59.0840, 71.8618, 105.3644



52.0345, 52.7659, 102.0501



18.2352, 19.8420, 23.1187



20.9605, 26.8306, 53.5087



2.1144, 2.7595, 5.2345

Inverse Universe

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



69.6245, 53.5704, 86.7945



66.2058, 47.5327, 83.1894



75.0116, 78.2254, 45.7976



18.6314, 18.2359, 21.9419



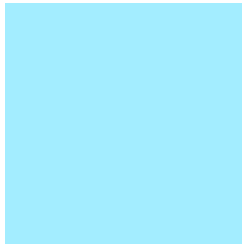
27.3681, 13.4365, 31.6526



2.7019, 1.3231, 3.2774

Previews

White Background



This preview shows how the XYZ color 63.4384, 75.5749, 105.8516 looks on a white background.

Color Contrast Check

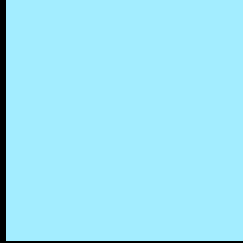
Large Text (above 18pt) WCAG AA × Fail

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 63.4384, 75.5749, 105.8516 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

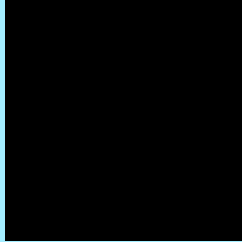
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.4384, 75.5749, 105.8516

Background



This preview shows how black text looks on a background with the XYZ color 63.4384, 75.5749, 105.8516.

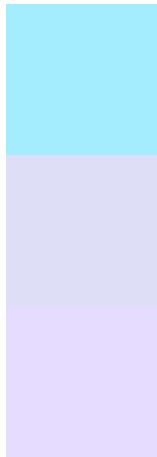


This preview shows how white text looks on a background with the XYZ color 63.4384, 75.5749,

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

63.4384, 75.5749, 105.8516

Protanopia

73.1464, 74.9588, 97.8020

Deuteranopia

75.9563, 75.0644, 105.0933



Tritanopia

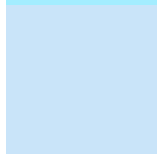
63.7713, 75.3179, 105.7844

Trichromacy



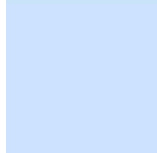
Original Color

63.4384, 75.5749, 105.8516



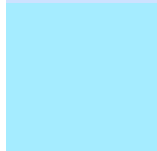
Protanomaly

68.9297, 74.7439, 100.4166



Deuteranomaly

70.4232, 74.5918, 105.2937



Tritanomaly

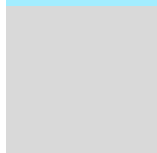
63.5625, 75.2102, 105.7747

Monochromacy



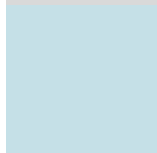
Original Color

63.4384, 75.5749, 105.8516



Achromatopsia

65.9525, 69.3872, 75.5626



Achromatomaly

64.1054, 70.9511, 85.9175

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.4384, 75.5749, 105.8516 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(163, 237, 255)` looks like.

```
.text, #text, p{  
    color:rgb(163, 237, 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(163, 237, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 237, 255) }
```

Border

The CSS property to change the border of an element to XYZ 63.4384, 75.5749, 105.8516 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(163, 237, 255) }
```


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

```
.border{ border-color:rgb(163, 237, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 237, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 237, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 237, 255);  
box-shadow:4px 4px 4px 4px rgb(163, 237,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 63.4384, 75.5749, 105.8516 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 237, 255) }
```

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

```
.background{ background-color: rgb(163,  
237, 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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