

Converting Colors

XYZ(64.7089, 76.2805,
103.5726)

Have a look what the booklet for
XYZ(64.7089, 76.2805, 103.5726)
contains.

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Color

**XYZ(64.6495, 76.2546,
103.4067)**

Conversions

Conversions Part 1

Format	Color
Hex	ABEDFC
RGB	171, 237, 252
RGB Percent	67%, 93%, 99%
CMY	0.3294, 0.0706, 0.0118
CMYK	0.32, 0.06, 0.00, 0.01
HSL	191°, 93%, 83%
HSV	191°, 32%, 99%
XYZ	64.6495, 76.2546, 103.4067
YIQ	218.9760, -44.1510, -9.3270

Conversions

Conversions Part 2

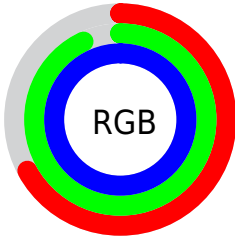
Format	Color
RYB	171, 207, 252
Decimal	11267580
CIELab	89.98, -17.08, -13.87
CIELCh	90, 21.999, 219.083
Yxy	76.2546, 0.2646, 0.3121
Android (android.graphics.Color)	4289457660 (0xFFABEDFC)
YUV	218.9760, 16.2808, -42.0750
Hunter-Lab	87.3239, -20.6658, -9.0830

Details

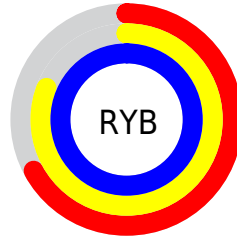
The XYZ color **64.6495, 76.2546, 103.4067** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **65.0556, 58.7544, 46.4419**, and the grayscale version is **67.2298, 70.7310, 77.0261**.

A 20% lighter version of the original color is **85.8049, 95.2340, 108.4673**, and **33.5767, 40.7009, 57.7161** is the 20% darker color. If you saturate the color by 10%, you get **58.3421, 71.0253, 102.7311**, and if you desaturate by 10%, it is **72.0431, 82.0997, 104.1465**.

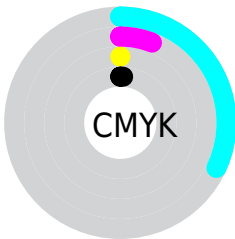
Distribution



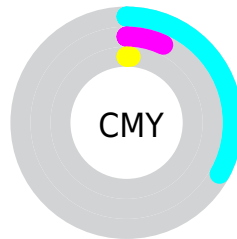
- Red (67%)
- Green (93%)
- Blue (99%)



- Red (67%)
- Yellow (81%)
- Blue (99%)



- Cyan (32%)
- Magenta (6%)
- Yellow (0%)
- Black (1%)



- Cyan (33%)
- Magenta (7%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.6495, 76.2546, 103.4067 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 64.6495, 76.2546, 103.4067 by changing the saturation by 10% instead.

64.6495, 76.2546,
103.4067

64.6495, 76.2546,
103.4067

431.0965,
482.2188, 592.4002

47.4406, 56.6413,
78.5160

110.6143,
128.0867, 167.9235

33.5935, 40.7173,
57.9790

140.1009,
161.0744, 208.3867

22.7429, 28.0983,
41.3771

174.4108,
199.2889, 254.8777

14.5234, 18.3998,
28.2920

213.9092,
243.1147, 307.8152

8.5697, 11.2374,
18.3049

258.9617,
292.9362, 367.6176

4.5165, 6.2267,
10.9974

309.9335,

1.9983, 2.9834,

349.1378, 434.7036

5.9510

367.1900,
412.1039, 509.4916

0.6330, 1.1231,
2.7470

0.0000, 0.0000,
0.9669

64.6495, 76.2546,
103.4067

64.6495, 76.2546,
103.4067

58.3421, 71.0253,
102.7311

72.0431, 82.0997,
104.1465

53.0540, 66.3715,
102.1115

80.5711, 88.5803,
104.9479

48.7217, 62.2617,
101.5466

90.2872, 95.7264,
105.8152

45.2712, 58.6576,
101.0328

94.5709, 99.8084,
106.3773

■ 42.6175, 55.5149,
100.5660

■ 40.6580, 52.7802,
100.1415

■ 39.4842, 50.8548,
99.8317

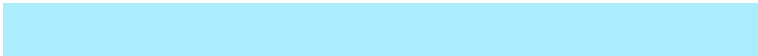
Harmonies

Analogous

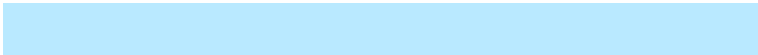
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



62.6215, 76.2546, 87.8534



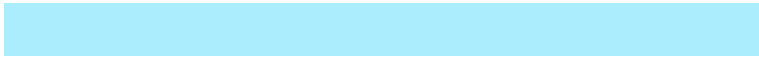
64.6495, 76.2546, 103.4067



68.8032, 76.2546, 114.3102

Triad

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



64.6495, 76.2546, 103.4067



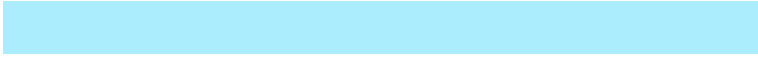
82.7058, 76.2546, 94.2016



70.8371, 76.2546, 56.7960

Complementary

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



64.6495, 76.2546, 103.4067



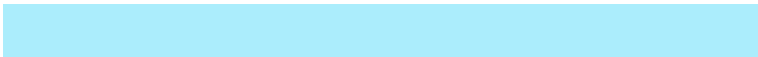
65.0556, 58.7544, 46.4419

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.



76.2808, 76.2546, 58.0474



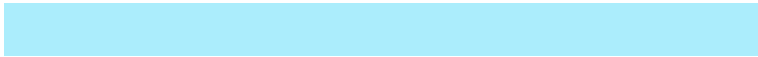
64.6495, 76.2546, 103.4067



83.3174, 76.2546, 78.3832

Square

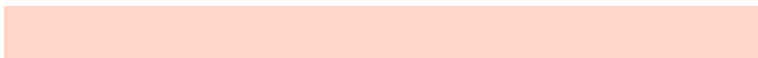
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



64.6495, 76.2546, 103.4067



79.2819, 76.2546, 108.5504



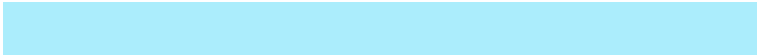
80.9136, 76.2546, 65.5202



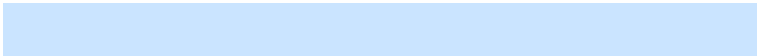
66.0744, 76.2546, 61.8573

Rectangle

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



64.6495, 76.2546, 103.4067



72.3103, 76.2546, 116.7687



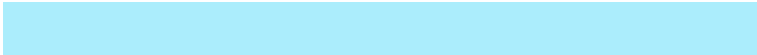
80.9136, 76.2546, 65.5202



72.6454, 76.2546, 56.5075

Sweetspot

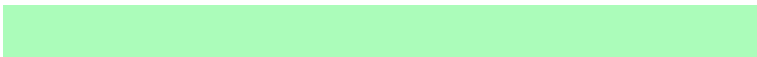
The Sweet Spot groups the original color and five complimentary colors.



64.6518, 76.2576, 103.4085



84.7951, 92.5048, 107.9938



60.4537, 81.8191, 58.9791



17.8626, 19.5863, 23.0890



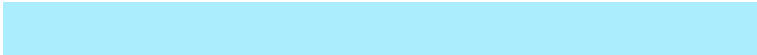
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



64.6518, 76.2576, 103.4085



61.8379, 74.5722, 105.7424



54.2539, 55.4619, 99.9425



17.4766, 19.0299, 22.1373



20.6690, 26.6935, 52.0365



1.9827, 2.6091, 4.8423

Inverse Universe

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



69.9958, 55.9377, 87.2320



68.2788, 50.9764, 86.0449



74.7888, 78.2207, 49.6863



17.8471, 17.4662, 21.0505



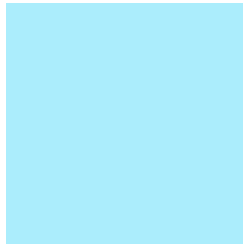
26.7248, 13.1056, 31.5887



2.5097, 1.2276, 3.1074

Previews

White Background



This preview shows how the XYZ color 64.6495, 76.2546, 103.4067 looks on a white background.

Color Contrast Check

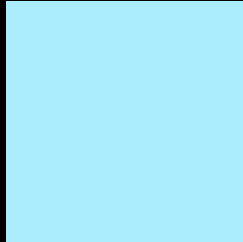
Large Text (above 18pt) WCAG AA × Fail

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 64.6495, 76.2546, 103.4067 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 64.6495, 76.2546, 103.4067

Background



This preview shows how black text looks on a background with the XYZ color 64.6495, 76.2546, 103.4067.

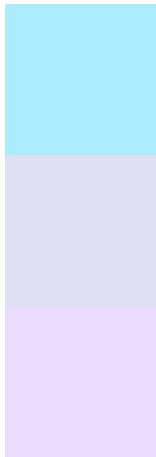


This preview shows how white text looks on a background with the XYZ color 64.6495, 76.2546,

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

64.6495, 76.2546, 103.4067

Protanopia

73.7253, 75.6903, 96.3119

Deuteranopia

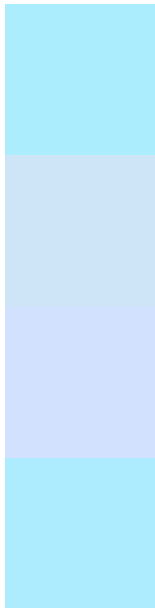
77.2475, 75.7300, 105.1537



Tritanopia

65.2790, 76.0951, 105.8550

Trichromacy



Original Color

64.6495, 76.2546, 103.4067

Protanomaly

69.9846, 75.7332, 98.9251

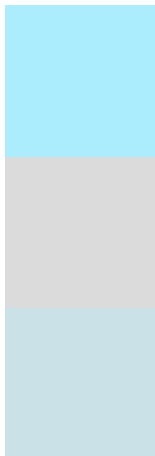
Deuteranomaly

71.6641, 75.2501, 104.5136

Tritanomaly

64.8981, 75.9173, 104.9989

Monochromacy



Original Color

64.6495, 76.2546, 103.4067

Achromatopsia

67.3311, 70.8376, 77.1421

Achromatomaly

65.9773, 72.7188, 86.1601

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.6495, 76.2546, 103.4067 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(171, 237, 252)` looks like.

```
.text, #text, p{  
    color:rgb(171, 237, 252)  
}
```

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(171, 237, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 237, 252) }
```

Border

The CSS property to change the border of an element to XYZ 64.6495, 76.2546, 103.4067 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(171, 237, 252) }
```


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

```
.border{ border-color:rgb(171, 237, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 237, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(171, 237, 252); -webkit-box-shadow:4px 4px 4px 4px rgb(171, 237, 252); box-shadow:4px 4px 4px 4px rgb(171, 237, 252) }
```

Background

The CSS property to change the background color of an element to XYZ 64.6495, 76.2546, 103.4067 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 237, 252) }
```

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

```
.background{ background-color: rgb(171,  
237, 252) }
```

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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