

Converting Colors

XYZ(63.5995, 74.1566, 96.5496)

Have a look what the booklet for
XYZ(63.5995, 74.1566, 96.5496)
contains.

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Color

**XYZ(63.5995, 74.1566,
96.5496)**

Conversions

Conversions Part 1

Format	Color
Hex	B1E9F4
RGB	177, 233, 244
RGB Percent	69%, 91%, 96%
CMY	0.3059, 0.0863, 0.0431
CMYK	0.27, 0.05, 0.00, 0.04
HSL	190°, 75%, 83%
HSV	190°, 27%, 96%
XYZ	63.5995, 74.1566, 96.5496
YIQ	217.5100, -36.9070, -8.4510

Conversions

Conversions Part 2

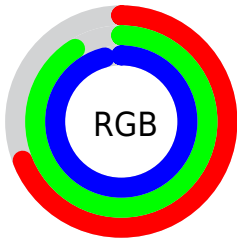
Format	Color
R _Y B	177, 208, 244
Decimal	11659764
CIE Lab	89.00, -15.24, -11.12
CIE LCh	89, 18.864, 216.103
Yxy	74.1566, 0.2714, 0.3165
Android (android.graphics.Color)	4289849844 (0xFFB1E9F4)
YUV	217.5100, 13.0596, -35.5273
Hunter-Lab	86.1142, -18.8691, -6.1948

Details

The XYZ color **63.5995, 74.1566, 96.5496** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **63.2282, 58.3743, 49.5314**, and the grayscale version is **66.2363, 69.6858, 75.8878**.

A 20% lighter version of the original color is **87.7417, 96.2324, 108.5580**, and **32.8253, 39.2127, 53.4157** is the 20% darker color. If you saturate the color by 10%, you get **57.4106, 69.3038, 95.9403**, and if you desaturate by 10%, it is **70.8123, 79.5791, 97.2173**.

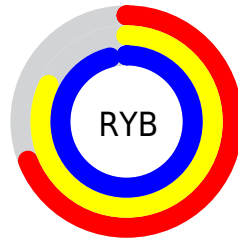
Distribution



Red (69%)

Green (91%)

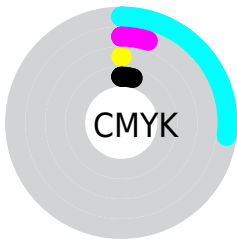
Blue (96%)



Red (69%)

Yellow (82%)

Blue (96%)

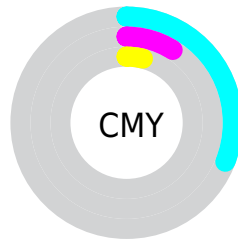


Cyan (27%)

Magenta (5%)

Yellow (0%)

Black (4%)



Cyan (31%)

Magenta (9%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.5995, 74.1566, 96.5496 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 63.5995, 74.1566, 96.5496 by changing the saturation by 10% instead.

63.5995, 74.1566,
96.5496

63.5995, 74.1566,
96.5496

427.3671,
475.0137, 570.2246

46.5868, 54.9222,
72.8214

109.1109,
125.1178, 158.4177

32.9157, 39.3395,
53.3390

138.3404,
157.6134, 197.3946

22.2208, 27.0239,
37.6839

172.3728,
195.2981, 242.2915

14.1368, 17.5912,
25.4375

211.5736,
238.5565, 293.5269

8.2982, 10.6569,
16.1813

256.3080,
287.7728, 351.5194

4.3397, 5.8366,
9.4968

306.9415,

1.8961, 2.7460,

343.3315, 416.6875

4.9654

363.8394,
405.6170, 489.4497

■ 0.5746, 1.0006,
2.1686

■ 0.0000, 0.0000,
0.6562

■ 63.5995, 74.1566,
96.5496

■ 63.5995, 74.1566,
96.5496

■ 57.4106, 69.3038,
95.9403

■ 70.8123, 79.5791,
97.2173

■ 52.1857, 64.9841,
95.3819

■ 79.0914, 85.5879,
97.9408

■ 47.8690, 61.1703,
94.8733

■ 88.4850, 92.2100,
98.7239

■ 44.3962, 57.8290,
94.4114

■ 91.4527, 95.5583,
99.2138

■ 41.6941, 54.9221,
93.9928

■ 92.7040, 98.0610,
99.6309

■ 39.6767, 52.4052,
93.6133

■ 93.3294, 99.3118,
99.8393

■ 38.2310, 50.2197,
93.2676

■ 37.9107, 49.6943,
93.1831

Harmonies

Analogous

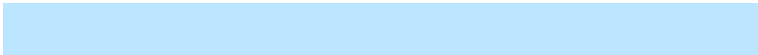
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



62.0779, 74.1566, 83.4574



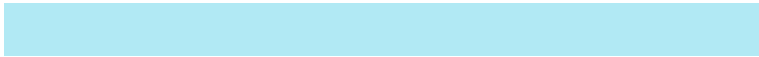
63.5995, 74.1566, 96.5496



66.9731, 74.1566, 106.0909

Triad

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



63.5995, 74.1566, 96.5496



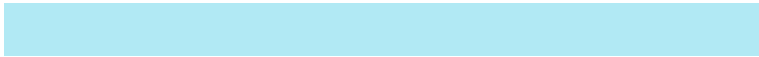
78.8529, 74.1566, 91.4072



69.5507, 74.1566, 58.1556

Complementary

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



63.5995, 74.1566, 96.5496



63.2282, 58.3743, 49.5314

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.



74.1147, 74.1566, 59.7945



63.5995, 74.1566, 96.5496



79.6158, 74.1566, 78.0899

Square

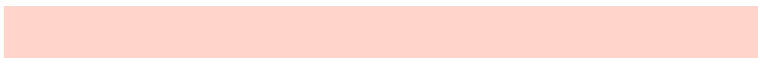
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



63.5995, 74.1566, 96.5496



75.8057, 74.1566, 102.9040



77.8474, 74.1566, 66.7648



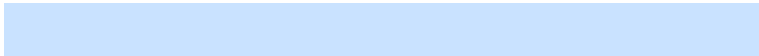
65.4167, 74.1566, 62.0181

Rectangle

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



63.5995, 74.1566, 96.5496



69.8863, 74.1566, 108.6369



77.8474, 74.1566, 66.7648



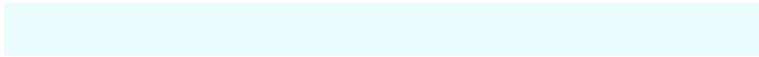
71.0844, 74.1566, 58.0876

Sweetspot

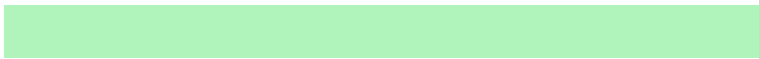
The Sweet Spot groups the original color and five complimentary colors.



63.6017, 74.1596, 96.5513



86.8801, 94.2163, 108.2142



59.4586, 77.6399, 58.8956



18.2861, 19.9438, 23.1357



0.0000, 0.0000, 0.0000



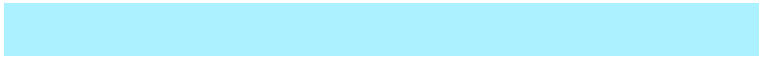
20.3446, 21.4041, 23.3091

Same Dimension

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



63.6017, 74.1596, 96.5513



66.3228, 78.8828, 106.3381



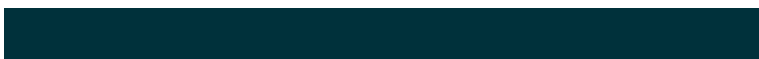
55.2208, 57.3977, 93.7577



16.7516, 18.2675, 21.1856



20.6996, 27.1929, 50.6958



1.8797, 2.5107, 4.4758

Inverse Universe

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



67.7401, 56.5623, 84.4415



71.6798, 56.6913, 90.5307



70.9832, 73.8845, 52.1165



17.0900, 16.7188, 20.2203



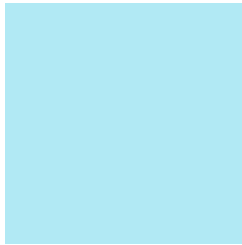
26.2527, 12.8445, 32.3687



2.3378, 1.1411, 3.0053

Previews

White Background



This preview shows how the XYZ color 63.5995, 74.1566, 96.5496 looks on a white background.

Color Contrast Check

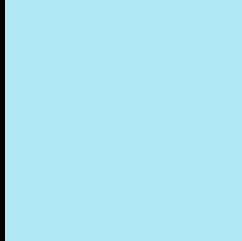
Large Text (above 18pt) WCAG AA × Fail

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 63.5995, 74.1566, 96.5496 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

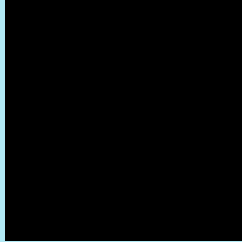
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.5995, 74.1566, 96.5496

Background



This preview shows how black text looks on a background with the XYZ color 63.5995, 74.1566, 96.5496.

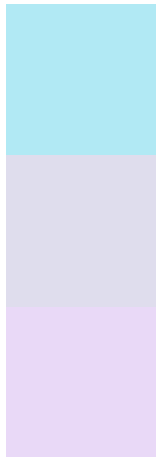


This preview shows how white text looks on a background with the XYZ color 63.5995, 74.1566,

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

63.5995, 74.1566, 96.5496

Protanopia

71.5739, 73.5153, 90.5383

Deuteranopia

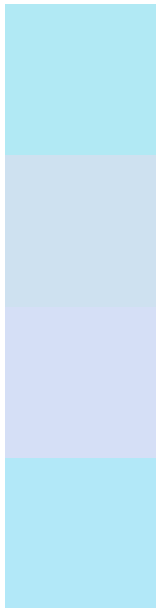
75.2056, 73.6647, 98.2506



Tritanopia

64.6293, 74.1432, 102.1715

Trichromacy



Original Color

63.5995, 74.1566, 96.5496

Protanomaly

68.1070, 73.2635, 92.9897

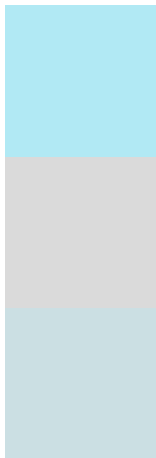
Deuteranomaly

70.4628, 73.5753, 97.6764

Tritanomaly

64.1600, 73.9555, 99.7002

Monochromacy



Original Color

63.5995, 74.1566, 96.5496

Achromatopsia

66.6397, 70.1102, 76.3500

Achromatomaly

64.8814, 71.0179, 82.9613

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.5995, 74.1566, 96.5496 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(177, 233, 244)` looks like.

```
.text, #text, p{  
    color:rgb(177, 233, 244)  
}
```

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(177, 233, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 233, 244) }
```

Border

The CSS property to change the border of an element to XYZ 63.5995, 74.1566, 96.5496 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(177, 233, 244) }
```


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

```
.border{ border-color:rgb(177, 233, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 233, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 233, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 233, 244);  
box-shadow:4px 4px 4px 4px rgb(177, 233,  
244) }
```

Background

The CSS property to change the background color of an element to XYZ 63.5995, 74.1566, 96.5496 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 233, 244) }
```

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

```
.background{ background-color: rgb(177,  
233, 244) }
```

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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