

Converting Colors

XYZ(70.2334, 75.9095,
138.5980)

Have a look what the booklet for
XYZ(70.2334, 75.9095, 138.5980)
contains.

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Color

**XYZ(63.8595, 73.2561,
105.3818)**

Conversions

Conversions Part 1

Format	Color
Hex	ADE7FF
RGB	173, 231, 255
RGB Percent	68%, 91%, 100%
CMY	0.3216, 0.0941, 0.0000
CMYK	0.32, 0.09, 0.00, 0.00
HSL	198°, 100%, 84%
HSV	198°, 32%, 100%
XYZ	63.8595, 73.2561, 105.3818
YIQ	216.3940, -42.2720, -4.8320

Conversions

Conversions Part 2

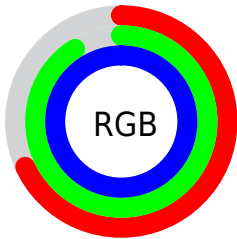
Format	Color
R _Y B	173, 207, 255
Decimal	11397119
CIE Lab	88.57, -12.81, -17.54
CIE LCh	89, 21.718, 233.865
Yxy	73.2561, 0.2633, 0.3021
Android (android.graphics.Color)	4289587199 (0xFFADE7FF)
YUV	216.3940, 19.0328, -38.0565
Hunter-Lab	85.5898, -16.6012, -13.0875

Details

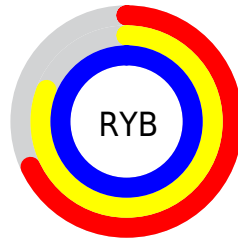
The XYZ color **63.8595, 73.2561, 105.3818** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **68.7493, 64.2095, 48.3072**, and the grayscale version is **65.4355, 68.8432, 74.9703**.

A 20% lighter version of the original color is **86.4431, 95.5630, 108.4972**, and **32.9942, 38.5887, 59.1355** is the 20% darker color. If you saturate the color by 10%, you get **56.7058, 66.5351, 104.4616**, and if you desaturate by 10%, it is **72.1823, 80.7155, 106.3830**.

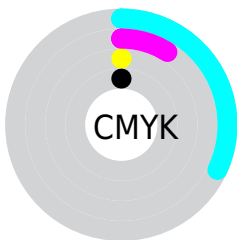
Distribution



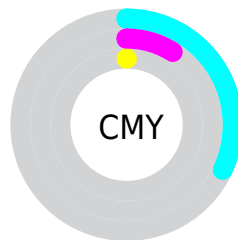
- Red (68%)
- Green (91%)
- Blue (100%)



- Red (68%)
- Yellow (81%)
- Blue (100%)



- Cyan (32%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)



- Cyan (32%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.8595, 73.2561, 105.3818 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 63.8595, 73.2561, 105.3818 by changing the saturation by 10% instead.

63.8595, 73.2561,
105.3818

63.8595, 73.2561,
105.3818

428.2924,
471.9019, 598.7063

46.7981, 54.1854,
80.1608

109.4834,
123.8407, 170.6497

33.0834, 38.7499,
59.3238

138.7767,
156.1234, 211.5337

22.3499, 26.5652,
42.4521

172.8780,
193.5789, 258.4758

14.2322, 17.2470,
29.1272

212.1527,
236.5916, 311.8945

8.3652, 10.4107,
18.9307

256.9661,
285.5458, 372.2083

4.3832, 5.6721,
11.4439

307.6837,

1.9211, 2.6468,

340.8260, 439.8359

6.2483

364.6706,
402.8166, 515.1957

■ 0.5891, 0.9502,
2.9254

■ 0.0000, 0.0000,
1.0567

■ 63.8595, 73.2561,
105.3818

■ 63.8595, 73.2561,
105.3818

■ 56.7058, 66.5351,
104.4616

■ 72.1823, 80.7155,
106.3830

■ 50.6528, 60.5103,
103.6177

■ 81.7258, 88.9363,
107.4668

■ 45.6337, 55.1475,
102.8471

■ 92.5457, 97.9504,
108.6364

■ 41.5715, 50.4052,
102.1459

95.0500, 100.0000,
108.9000

■ 38.3779, 46.2361,
101.5095

■ 35.9460, 42.5835,
100.9326

■ 34.4473, 40.0146,
100.5158

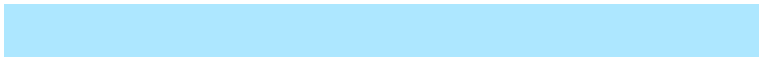
Harmonies

Analogous

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



60.8229, 73.2561, 92.0031



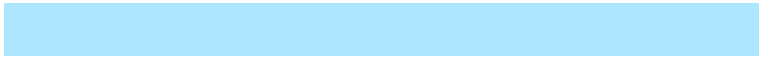
63.8595, 73.2561, 105.3818



68.5575, 73.2561, 111.9934

Triad

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



63.8595, 73.2561, 105.3818



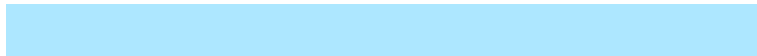
80.1221, 73.2561, 82.8841



65.6346, 73.2561, 56.1999

Complementary

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



63.8595, 73.2561, 105.3818



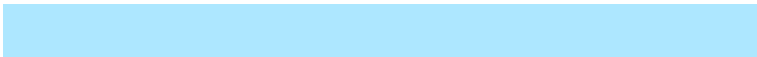
68.7493, 64.2095, 48.3072

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.



70.7090, 73.2561, 54.3989



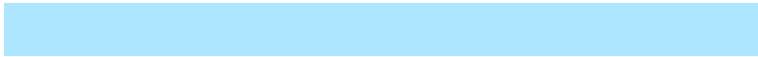
63.8595, 73.2561, 105.3818



79.2437, 73.2561, 68.6605

Square

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



63.8595, 73.2561, 105.3818



78.0769, 73.2561, 97.9977



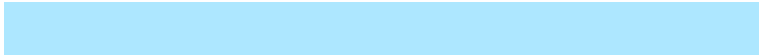
75.7332, 73.2561, 58.6748



61.8112, 73.2561, 63.9441

Rectangle

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



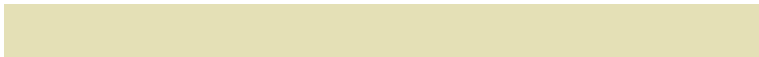
63.8595, 73.2561, 105.3818



72.0675, 73.2561, 111.1495



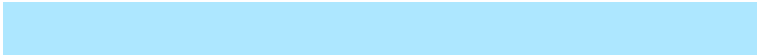
75.7332, 73.2561, 58.6748



67.2436, 73.2561, 54.9233

Sweetspot

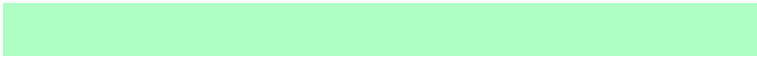
The Sweet Spot groups the original color and five complimentary colors.



63.8615, 73.2589, 105.3823



83.9483, 90.8112, 107.7115



62.9851, 84.4009, 65.3368



17.6568, 19.1748, 23.0204



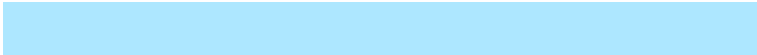
0.0000, 0.0000, 0.0000



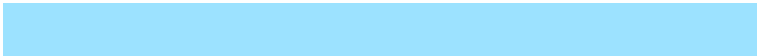
20.3446, 21.4041, 23.3091

Same Dimension

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



63.8615, 73.2589, 105.3823



58.8416, 68.5796, 104.7437



53.8650, 53.2658, 102.0501



18.0795, 19.5307, 23.0669



18.1349, 21.1794, 52.5668



1.8603, 2.2513, 5.1498

Inverse Universe

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



70.6087, 56.9183, 82.8694



66.7664, 50.3715, 78.0809



79.1352, 84.9813, 51.7692



18.5528, 18.2044, 21.5282



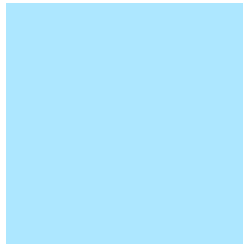
25.9419, 12.8660, 24.1420



2.5736, 1.2718, 2.6020

Previews

White Background



This preview shows how the XYZ color 63.8595, 73.2561, 105.3818 looks on a white background.

Color Contrast Check

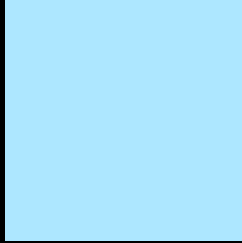
Large Text (above 18pt) WCAG AA × Fail

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 63.8595, 73.2561, 105.3818 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

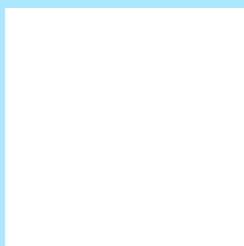
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.8595, 73.2561, 105.3818

Background



This preview shows how black text looks on a background with the XYZ color 63.8595, 73.2561, 105.3818.

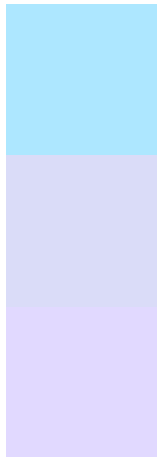


This preview shows how white text looks on a background with the XYZ color 63.8595, 73.2561,

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

63.8595, 73.2561, 105.3818

Protanopia

71.4499, 72.8691, 99.1063

Deuteranopia

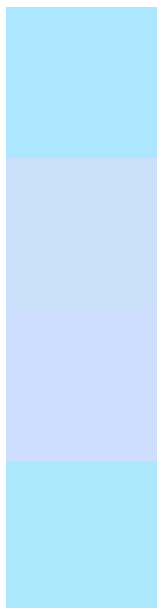
73.9142, 72.8533, 104.7741



Tritanopia

63.1252, 73.3860, 101.2803

Trichromacy



Original Color

63.8595, 73.2561, 105.3818

Protanomaly

68.4254, 72.8329, 101.7185

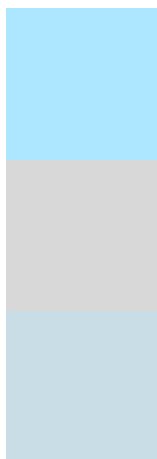
Deuteranomaly

69.6249, 72.5844, 104.9483

Tritanomaly

63.4406, 73.5122, 102.9411

Monochromacy



Original Color

63.8595, 73.2561, 105.3818

Achromatopsia

65.2694, 68.6685, 74.7800

Achromatomaly

63.9588, 69.7054, 84.9464

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.8595, 73.2561, 105.3818 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(173, 231, 255)` looks like.

```
.text, #text, p{  
    color:rgb(173, 231, 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(173, 231, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 231, 255) }
```

Border

The CSS property to change the border of an element to XYZ 63.8595, 73.2561, 105.3818 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(173, 231, 255) }
```


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

```
.border{ border-color:rgb(173, 231, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 231, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 231, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 231, 255);  
box-shadow:4px 4px 4px 4px rgb(173, 231,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 63.8595, 73.2561, 105.3818 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 231, 255) }
```

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

```
.background{ background-color: rgb(173,  
231, 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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