

Converting Colors

XYZ(63.0962, 71.5980,
105.1020)

Have a look what the booklet for
XYZ(63.0962, 71.5980, 105.1020)
contains.

XYZ(63.0270, 71.5910, 105.1043)	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(63.0270, 71.5910,
105.1043)**

Conversions

Conversions Part 1

Format	Color
Hex	ADE4FF
RGB	173, 228, 255
RGB Percent	68%, 89%, 100%
CMY	0.3216, 0.1059, 0.0000
CMYK	0.32, 0.11, 0.00, 0.00
HSL	200°, 100%, 84%
HSV	200°, 32%, 100%
XYZ	63.0270, 71.5910, 105.1043
YIQ	214.6330, -41.4470, -3.2630

Conversions

Conversions Part 2

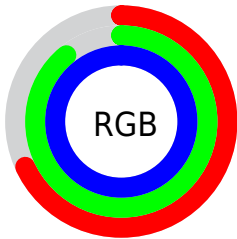
Format	Color
R _Y B	173, 206, 255
Decimal	11396351
CIE Lab	87.77, -11.28, -18.74
CIE LCh	88, 21.874, 238.965
Yxy	71.5910, 0.2629, 0.2986
Android (android.graphics.Color)	4289586431 (0xFFADE4FF)
YUV	214.6330, 19.9009, -36.5121
Hunter-Lab	84.6115, -15.1056, -14.4220

Details

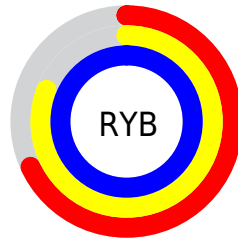
The XYZ color **63.0270, 71.5910, 105.1043** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **69.4374, 65.5858, 48.5367**, and the grayscale version is **64.2348, 67.5800, 73.5946**.

A 20% lighter version of the original color is **86.4431, 95.5630, 108.4972**, and **32.6078, 37.8159, 59.0067** is the 20% darker color. If you saturate the color by 10%, you get **55.6638, 64.4509, 104.1142**, and if you desaturate by 10%, it is **71.5824, 79.5156, 106.1830**.

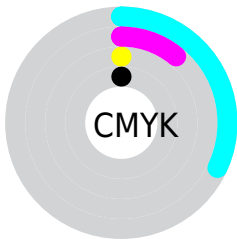
Distribution



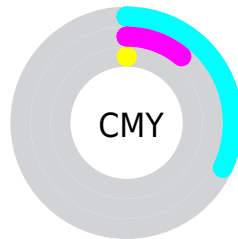
- Red (68%)
- Green (89%)
- Blue (100%)



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



- Cyan (32%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)



- Cyan (32%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.0270, 71.5910, 105.1043 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 63.0270, 71.5910, 105.1043 by changing the saturation by 10% instead.

■ 63.0270, 71.5910,
105.1043

■ 63.0270, 71.5910,
105.1043

425.3256,
466.1168, 597.8224

■ 46.1218, 52.8246,
79.9296

■ 108.2901,
121.4749, 170.2670

■ 32.5470, 37.6628,
59.1346

137.3786,
153.3612, 211.0920

■ 21.9372, 25.7211,
42.3008

171.2590,
190.3895, 257.9709

■ 13.9271, 16.6151,
29.0095

210.2965,
232.9444, 311.3223

■ 8.1513, 9.9604,
18.8424

254.8566,
281.4102, 371.5645

■ 4.2446, 5.3727,
11.3808

305.3046,

■ 1.8414, 2.4676,

336.1712, 439.1163

6.2062

362.0058,
397.6120, 514.3960

■ 0.5424, 0.8603,
2.9000

■ 0.0000, 0.0000,
1.0438

■ 63.0270, 71.5910,
105.1043

■ 63.0270, 71.5910,
105.1043

■ 55.6638, 64.4509,
104.1142

■ 71.5824, 79.5156,
106.1830

■ 49.4238, 58.0524,
103.2081

■ 81.3821, 88.2488,
107.3522

■ 44.2400, 52.3600,
102.3825

■ 92.4822, 97.8234,
108.6152

■ 40.0347, 47.3315,
101.6336

95.0500, 100.0000,
108.9000

■ 36.7190, 42.9185,
100.9565

■ 34.1857, 39.0630,
100.3459

■ 32.6215, 36.3629,
99.9072

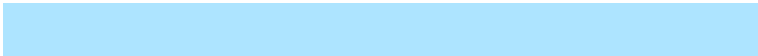
Harmonies

Analogous

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



59.6793, 71.5910, 92.6322



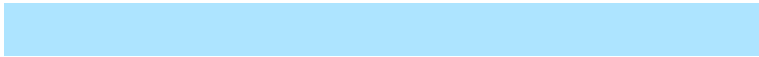
63.0270, 71.5910, 105.1043



67.8650, 71.5910, 110.1729

Triad

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



63.0270, 71.5910, 105.1043



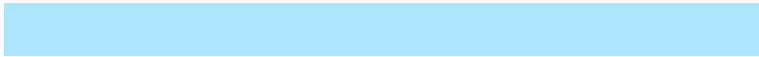
78.5224, 71.5910, 78.4678



63.3241, 71.5910, 55.5166

Complementary

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



63.0270, 71.5910, 105.1043



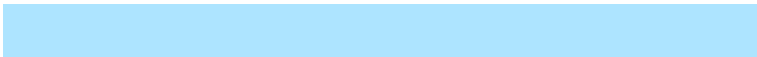
69.4374, 65.5858, 48.5367

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.



68.2255, 71.5910, 52.7166



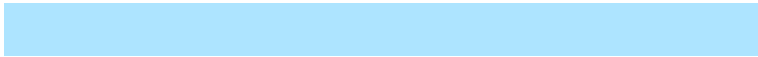
63.0270, 71.5910, 105.1043



77.1583, 71.5910, 64.9082

Square

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



63.0270, 71.5910, 105.1043



76.9625, 71.5910, 93.6390



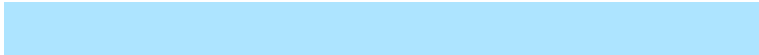
73.3227, 71.5910, 55.9293



59.8446, 71.5910, 64.1200

Rectangle

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



63.0270, 71.5910, 105.1043



71.3414, 71.5910, 108.2356



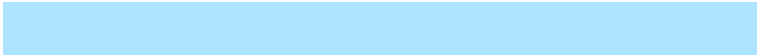
73.3227, 71.5910, 55.9293



64.8520, 71.5910, 53.9178

Sweetspot

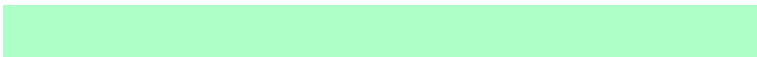
The Sweet Spot groups the original color and five complimentary colors.



63.0290, 71.5937, 105.1047



83.6628, 90.2403, 107.6164



63.2997, 84.5268, 66.9932



17.5875, 19.0362, 22.9973



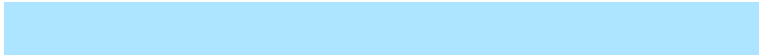
0.0000, 0.0000, 0.0000



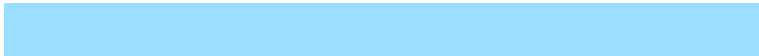
20.3446, 21.4041, 23.3091

Same Dimension

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



63.0290, 71.5937, 105.1047



57.8631, 66.6226, 104.4175



53.2755, 52.0867, 101.8536



18.0214, 19.4143, 23.0475



17.1878, 19.2851, 52.2511



1.7735, 2.0778, 5.1208

Inverse Universe

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



70.1885, 56.7503, 80.6563



66.2725, 50.1739, 75.4800



79.9337, 86.5783, 52.0355



18.5234, 18.1927, 21.3735



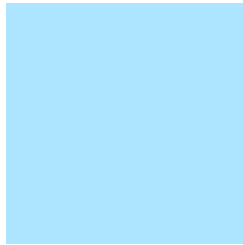
25.4638, 12.6748, 21.6246



2.5298, 1.2543, 2.3714

Previews

White Background



This preview shows how the XYZ color 63.0270, 71.5910, 105.1043 looks on a white background.

Color Contrast Check

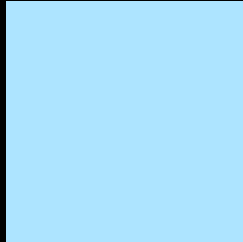
Large Text (above 18pt) WCAG AA × Fail

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 63.0270, 71.5910, 105.1043 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

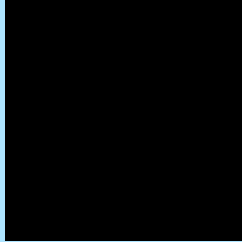
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.0270, 71.5910, 105.1043

Background



This preview shows how black text looks on a background with the XYZ color 63.0270, 71.5910, 105.1043.

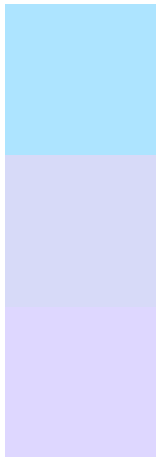


This preview shows how white text looks on a background with the XYZ color 63.0270, 71.5910,

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

63.0270, 71.5910, 105.1043

Protanopia

70.0390, 71.3672, 98.8907

Deuteranopia

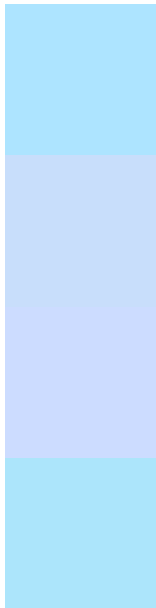
72.4746, 71.3505, 104.5599



Tritanopia

61.7572, 71.4739, 99.3478

Trichromacy



Original Color

63.0270, 71.5910, 105.1043

Protanomaly

67.3533, 71.4869, 101.5153

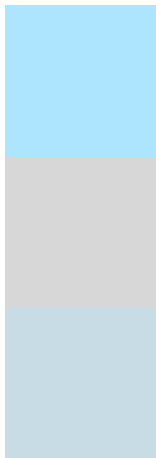
Deuteranomaly

68.5450, 71.2438, 104.7465

Tritanomaly

62.4452, 71.7743, 101.8294

Monochromacy



Original Color

63.0270, 71.5910, 105.1043

Achromatopsia

64.5905, 67.9542, 74.0022

Achromatomaly

63.6955, 69.1789, 84.8587

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.0270, 71.5910, 105.1043 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, 228, 255)` looks like.

```
.text, #text, p{  
    color:rgb(173, 228, 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, 228, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 228, 255) }
```

Border

The CSS property to change the border of an element to XYZ 63.0270, 71.5910, 105.1043 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, 228, 255) }
```


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

```
.border{ border-color:rgb(173, 228, 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, 228, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 228, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 228, 255);  
box-shadow:4px 4px 4px 4px rgb(173, 228,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 63.0270, 71.5910, 105.1043 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 228, 255) }
```

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

```
.background{ background-color: rgb(173,  
228, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor