

Converting Colors

XYZ(63.9292, 69.6584,
129.3045)

Have a look what the booklet for
XYZ(63.9292, 69.6584, 129.3045)
contains.

XYZ(59.1356, 67.5724, 104.5337)	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(59.1356, 67.5724,
104.5337)**

Conversions

Conversions Part 1

Format	Color
Hex	A1DFFF
RGB	161, 223, 255
RGB Percent	63%, 87%, 100%
CMY	0.3686, 0.1255, 0.0000
CMYK	0.37, 0.13, 0.00, 0.00
HSL	200°, 100%, 82%
HSV	200°, 37%, 100%
XYZ	59.1356, 67.5724, 104.5337
YIQ	208.1100, -47.2240, -3.1920

Conversions

Conversions Part 2

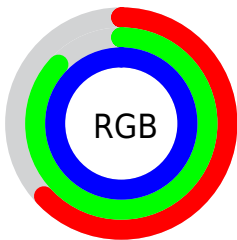
Format	Color
RYB	161, 198, 255
Decimal	10608639
CIELab	85.79, -11.91, -21.80
CIELCh	86, 24.839, 241.345
Yxy	67.5724, 0.2557, 0.2922
Android (android.graphics.Color)	4288798719 (0xFFA1DFFF)
YUV	208.1100, 23.1168, -41.3155
Hunter-Lab	82.2024, -15.4432, -17.8551

Details

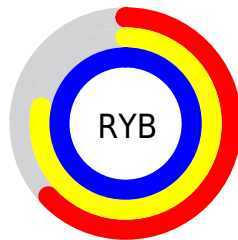
The XYZ color **59.1356, 67.5724, 104.5337** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **66.7434, 61.9734, 42.1644**, and the grayscale version is **59.9039, 63.0236, 68.6327**.

A 20% lighter version of the original color is **82.7234, 93.6454, 108.3231**, and **30.0214, 35.0857, 58.6160** is the 20% darker color. If you saturate the color by 10%, you get **52.2516, 60.6700, 103.5643**, and if you desaturate by 10%, it is **67.1902, 75.2579, 105.5927**.

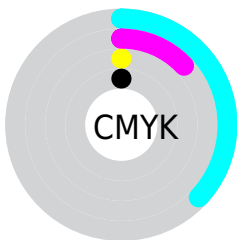
Distribution



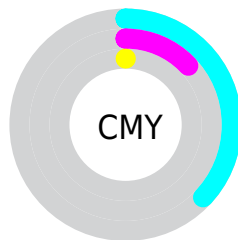
- Red (63%)
- Green (87%)
- Blue (100%)



- Red (63%)
- Yellow (78%)
- Blue (100%)



- Cyan (37%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)



- Cyan (37%)
- Magenta (13%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 59.1356, 67.5724, 104.5337 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 59.1356, 67.5724, 104.5337 by changing the saturation by 10% instead.

■ 59.1356, 67.5724,
104.5337

■ 59.1356, 67.5724,
104.5337

411.2902,
451.9795, 596.0028

■ 42.9691, 49.5499,
79.4543

■ 102.6882,
115.7402, 169.4797

■ 30.0553, 35.0559,
58.7459

■ 130.8050,
146.6544, 210.1834

■ 20.0288, 23.7060,
41.9899

163.6360,
182.6345, 256.9322

■ 12.5244, 15.1156,
28.7679

201.5464,
224.0651, 310.1448

■ 7.1766, 8.9006,
18.6612

244.9017,
271.3305, 370.2395

■ 3.6201, 4.6764,
11.2514

294.0672,

■ 1.4895, 2.0587,

324.8151, 437.6351

6.1199

349.4082,
384.9033, 512.7500

■ 0.3187, 0.6412,
2.8482

■ 0.0000, 0.0000,
1.0176

■ 59.1356, 67.5724,
104.5337

■ 59.1356, 67.5724,
104.5337

■ 52.2516, 60.6700,
103.5643

■ 67.1902, 75.2579,
105.5927

■ 46.4665, 54.5065,
102.6795

■ 76.4700, 83.7525,
106.7432

■ 41.7094, 49.0441,
101.8759

■ 87.0330, 93.0903,
107.9888

■ 37.8977, 44.2375,
101.1490

95.0500, 100.0000,
108.9000

■ 34.9347, 40.0342,
100.4939

■ 32.6985, 36.3684,
99.9041

■ 32.0893, 35.2986,
99.7298

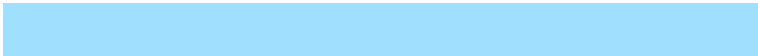
Harmonies

Analogous

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



55.3529, 67.5724, 91.0511



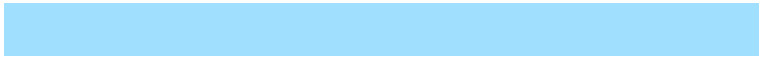
59.1356, 67.5724, 104.5337



64.4820, 67.5724, 109.4328

Triad

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



59.1356, 67.5724, 104.5337



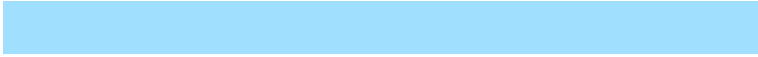
75.7592, 67.5724, 72.8439



58.7168, 67.5724, 49.9900

Complementary

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



59.1356, 67.5724, 104.5337



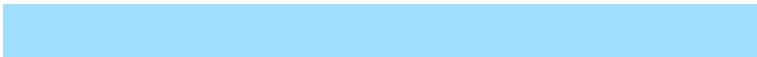
66.7434, 61.9734, 42.1644

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.



63.9698, 67.5724, 46.5546



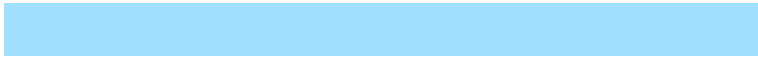
59.1356, 67.5724, 104.5337



73.9991, 67.5724, 58.4914

Square

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



59.1356, 67.5724, 104.5337



74.2809, 67.5724, 89.5947



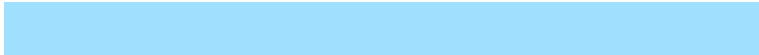
69.5995, 67.5724, 49.4253



55.1213, 67.5724, 59.5883

Rectangle

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



59.1356, 67.5724, 104.5337



68.2782, 67.5724, 106.6753



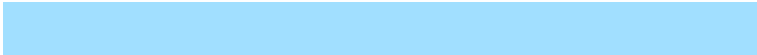
69.5995, 67.5724, 49.4253



60.3365, 67.5724, 48.1455

Sweetspot

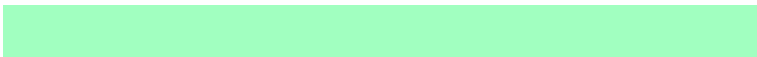
The Sweet Spot groups the original color and five complimentary colors.



59.1375, 67.5749, 104.5341



82.5021, 89.1213, 107.4615



60.0105, 82.9182, 62.9066



17.3516, 18.8042, 22.9650



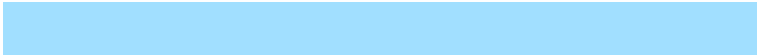
0.0000, 0.0000, 0.0000



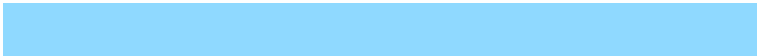
20.3446, 21.4041, 23.3091

Same Dimension

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



59.1375, 67.5749, 104.5341



54.1063, 62.5682, 103.8329



48.4058, 46.1116, 100.9569



18.0037, 19.3789, 23.0416



16.9114, 18.7324, 52.1590



1.7480, 2.0268, 5.1123

Inverse Universe

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



67.3054, 52.0791, 76.3197



63.5318, 45.8447, 71.0147



78.6378, 85.7621, 46.1292



18.5145, 18.1891, 21.3265



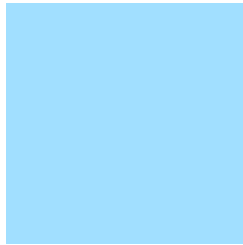
25.3243, 12.6190, 20.8900



2.5169, 1.2491, 2.3036

Previews

White Background



This preview shows how the XYZ color 59.1356, 67.5724, 104.5337 looks on a white background.

Color Contrast Check

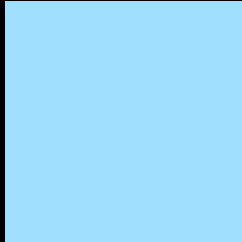
Large Text (above 18pt) WCAG AA × Fail

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 59.1356, 67.5724, 104.5337 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 59.1356, 67.5724, 104.5337

Background



This preview shows how black text looks on a background with the XYZ color 59.1356, 67.5724, 104.5337.

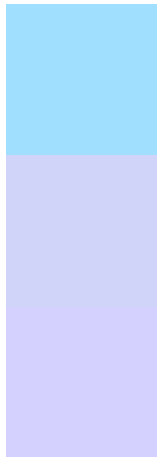


This preview shows how white text looks on a background with the XYZ color 59.1356, 67.5724,

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

59.1356, 67.5724, 104.5337

Protanopia

66.2189, 67.1297, 98.2741

Deuteranopia

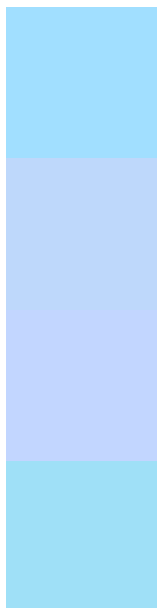
68.2910, 66.9671, 103.9344



Tritanopia

57.2034, 67.5906, 94.8254

Trichromacy



Original Color

59.1356, 67.5724, 104.5337

Protanomaly

63.2037, 67.0239, 100.8725

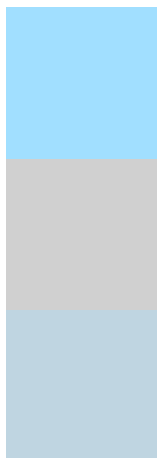
Deuteranomaly

64.3447, 66.7825, 104.1067

Tritanomaly

57.7422, 67.3976, 97.9614

Monochromacy



Original Color

59.1356, 67.5724, 104.5337

Achromatopsia

59.9535, 63.0757, 68.6895

Achromatomaly

58.8707, 64.1011, 80.5041

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.1356, 67.5724, 104.5337 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(161, 223, 255)` looks like.

```
.text, #text, p{  
    color:rgb(161, 223, 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(161, 223, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 223, 255) }
```

Border

The CSS property to change the border of an element to XYZ 59.1356, 67.5724, 104.5337 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(161, 223, 255) }
```


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

```
.border{ border-color:rgb(161, 223, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 223, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 223, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 223, 255);  
box-shadow:4px 4px 4px 4px rgb(161, 223,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 59.1356, 67.5724, 104.5337 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 223, 255) }
```

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

```
.background{ background-color: rgb(161,  
223, 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