

Converting Colors

XYZ(59.5096, 70.6377,
105.1057)

Have a look what the booklet for
XYZ(59.5096, 70.6377, 105.1057)
contains.

XYZ(59.4837, 70.5859, 105.0971)	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(59.4837, 70.5859,
105.0971)**

Conversions

Conversions Part 1

Format	Color
Hex	99E6FF
RGB	153, 230, 255
RGB Percent	60%, 90%, 100%
CMY	0.4000, 0.0980, 0.0000
CMYK	0.40, 0.10, 0.00, 0.00
HSL	195°, 100%, 80%
HSV	195°, 40%, 100%
XYZ	59.4837, 70.5859, 105.0971
YIQ	209.8270, -53.9170, -8.5490

Conversions

Conversions Part 2

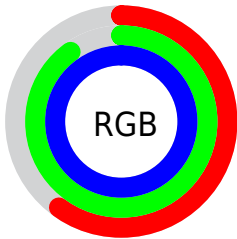
Format	Color
R _Y B	153, 197, 255
Decimal	10086143
CIE Lab	87.28, -17.50, -19.58
CIE LCh	87, 26.263, 228.205
Yxy	70.5859, 0.2529, 0.3002
Android (android.graphics.Color)	4288276223 (0xFF99E6FF)
YUV	209.8270, 22.2703, -49.8373
Hunter-Lab	84.0154, -20.6473, -15.3566

Details

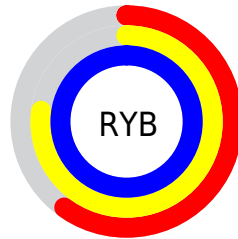
The XYZ color **59.4837, 70.5859, 105.0971** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **62.9107, 55.4012, 37.5168**, and the grayscale version is **61.0308, 64.2091, 69.9237**.

A 20% lighter version of the original color is **80.6740, 92.5889, 108.2272**, and **30.1530, 36.8361, 58.9469** is the 20% darker color. If you saturate the color by 10%, you get **53.4675, 64.9503, 104.3264**, and if you desaturate by 10%, it is **66.5945, 76.8816, 105.9375**.

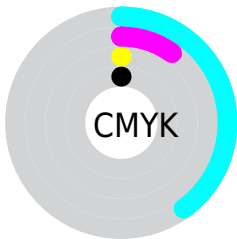
Distribution



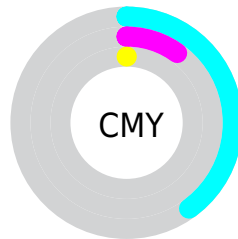
- Red (60%)
- Green (90%)
- Blue (100%)



- Red (60%)
- Yellow (77%)
- Blue (100%)



- Cyan (40%)
- Magenta (10%)
- Yellow (0%)
- Black (0%)



- Cyan (40%)
- Magenta (10%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 59.4837, 70.5859, 105.0971 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 59.4837, 70.5859, 105.0971 by changing the saturation by 10% instead.

59.4837, 70.5859,
105.0971

59.4837, 70.5859,
105.0971

412.5574,
462.6045, 597.7994

43.2505, 52.0043,
79.9236

103.1910,
120.0439, 170.2570

30.2771, 37.0085,
59.1297

131.3957,
151.6891, 211.0806

20.1981, 25.2141,
42.2968

164.3217,
188.4577, 257.9578

12.6482, 16.2366,
29.0065

202.3342,
230.7340, 311.3074

7.2621, 9.6918,
18.8401

245.7987,
278.9025, 371.5478

3.6743, 5.1951,
11.3792

295.0805,

1.5196, 2.3622,

333.3474, 439.0976

6.2051

350.5450,
394.4533, 514.3753

■ 0.3391, 0.8063,
2.8994

■ 0.0000, 0.0000,
1.0435

■ 59.4837, 70.5859,
105.0971

■ 59.4837, 70.5859,
105.0971

■ 53.4675, 64.9503,
104.3264

■ 66.5945, 76.8816,
105.9375

■ 48.4733, 59.9316,
103.6209

■ 74.8550, 83.8618,
106.8494

■ 44.4286, 55.4930,
102.9773

■ 84.3234, 91.5592,
107.8361

■ 41.2484, 51.5897,
102.3915

95.0500, 100.0000,
108.9000

■ 38.8311, 48.1684,
101.8586

■ 37.0114, 45.1428,
101.3705

■ 37.0111, 45.1422,
101.3704

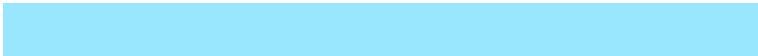
Harmonies

Analogous

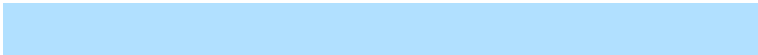
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



56.4311, 70.5859, 87.9768



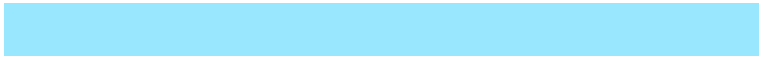
59.4837, 70.5859, 105.0971



64.6920, 70.5859, 115.1790

Triad

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



59.4837, 70.5859, 105.0971



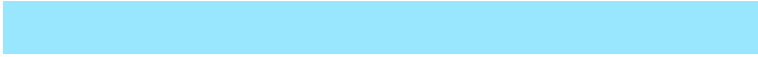
79.3965, 70.5859, 84.0183



63.4482, 70.5859, 48.8681

Complementary

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



59.4837, 70.5859, 105.0971



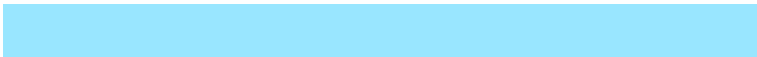
62.9107, 55.4012, 37.5168

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.



69.5461, 70.5859, 48.1439



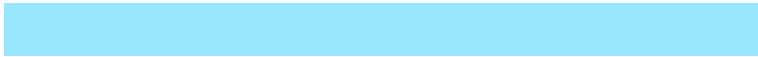
59.4837, 70.5859, 105.0971



79.0126, 70.5859, 66.7143

Square

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



59.4837, 70.5859, 105.0971



76.3368, 70.5859, 101.8191



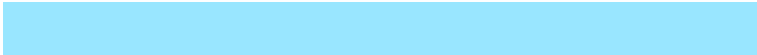
75.3181, 70.5859, 54.1899



58.6214, 70.5859, 56.3480

Rectangle

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



59.4837, 70.5859, 105.0971



68.7987, 70.5859, 115.6640



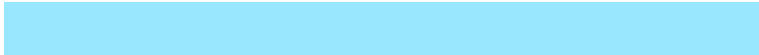
75.3181, 70.5859, 54.1899



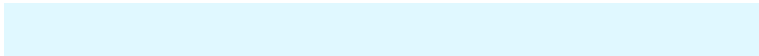
65.4094, 70.5859, 47.8737

Sweetspot

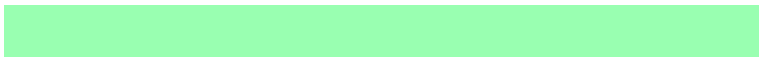
The Sweet Spot groups the original color and five complimentary colors.



59.4856, 70.5885, 105.0975



82.3287, 89.9595, 107.6325



56.8140, 81.4593, 54.2212



17.3489, 19.0350, 23.0097



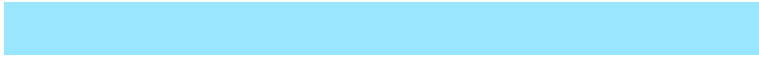
0.0000, 0.0000, 0.0000



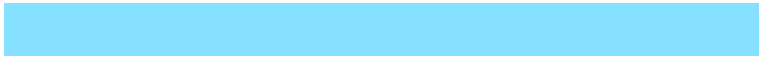
20.3446, 21.4041, 23.3091

Same Dimension

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



59.4856, 70.5885, 105.0975



54.5859, 66.0262, 104.4751



47.5501, 46.7175, 101.1190



18.1556, 19.6829, 23.0922



19.4624, 23.8345, 53.0093



1.9805, 2.4916, 5.1898

Inverse Universe

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



66.9155, 49.7574, 80.9431



63.1639, 43.3622, 76.2771



74.6789, 78.9376, 41.4395



18.5912, 18.2198, 21.7304



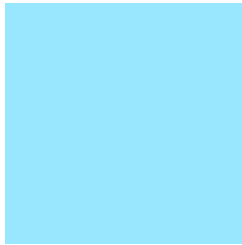
26.6119, 13.1341, 27.6707



2.6343, 1.2961, 2.9214

Previews

White Background



This preview shows how the XYZ color 59.4837, 70.5859, 105.0971 looks on a white background.

Color Contrast Check

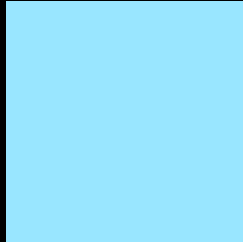
Large Text (above 18pt) WCAG AA × Fail

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 59.4837, 70.5859, 105.0971 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

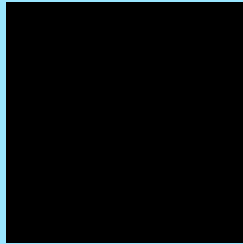
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 59.4837, 70.5859, 105.0971

Background



This preview shows how black text looks on a background with the XYZ color 59.4837, 70.5859, 105.0971.

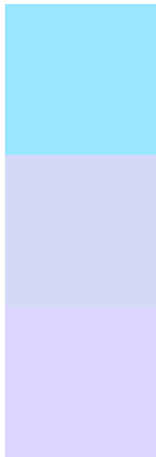


This preview shows how white text looks on a background with the XYZ color 59.4837, 70.5859,

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

59.4837, 70.5859, 105.0971

Protanopia

68.6310, 69.9117, 97.0658

Deuteranopia

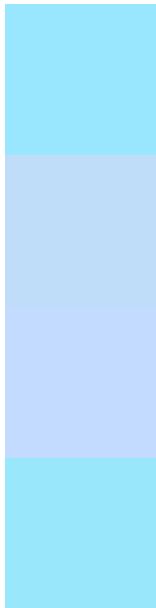
71.0577, 69.8686, 104.3486



Tritanopia

58.6237, 70.6668, 100.1728

Trichromacy



Original Color

59.4837, 70.5859, 105.0971

Protanomaly

64.4412, 69.6288, 99.6658

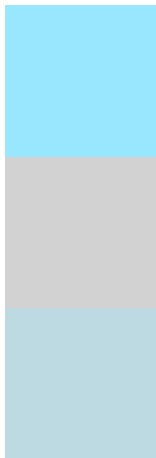
Deuteranomaly

65.8872, 69.4851, 104.5471

Tritanomaly

58.9374, 70.7923, 101.8247

Monochromacy



Original Color

59.4837, 70.5859, 105.0971

Achromatopsia

61.2578, 64.4480, 70.1838

Achromatomaly

59.5266, 65.9355, 81.5409

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.4837, 70.5859, 105.0971 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(153, 230, 255)` looks like.

```
.text, #text, p{  
    color:rgb(153, 230, 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(153, 230, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 230, 255) }
```

Border

The CSS property to change the border of an element to XYZ 59.4837, 70.5859, 105.0971 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(153, 230, 255) }
```


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

```
.border{ border-color:rgb(153, 230, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 230, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 230, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 230, 255);  
box-shadow:4px 4px 4px 4px rgb(153, 230,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 59.4837, 70.5859, 105.0971 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 230, 255) }
```

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

```
.background{ background-color: rgb(153,  
230, 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