

Converting Colors

XYZ(70.7611, 76.3034,
164.5073)

Have a look what the booklet for
XYZ(70.7611, 76.3034, 164.5073)
contains.

XYZ(59.5833, 71.8874, 105.3430)	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(59.5833, 71.8874,
105.3430)**

Conversions

Conversions Part 1

Format	Color
Hex	95E9FF
RGB	149, 233, 255
RGB Percent	58%, 91%, 100%
CMY	0.4157, 0.0863, 0.0000
CMYK	0.42, 0.09, 0.00, 0.00
HSL	192°, 100%, 79%
HSV	192°, 42%, 100%
XYZ	59.5833, 71.8874, 105.3430
YIQ	210.3920, -57.1260, -10.9660

Conversions

Conversions Part 2

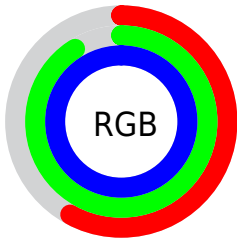
Format	Color
RYB	149, 196, 255
Decimal	9824767
CIELab	87.91, -19.98, -18.65
CIELCh	88, 27.332, 223.016
Yxy	71.8874, 0.2516, 0.3036
Android (android.graphics.Color)	4288014847 (0xFF95E9FF)
YUV	210.3920, 21.9917, -53.8408
Hunter-Lab	84.7864, -22.9362, -14.3144

Details

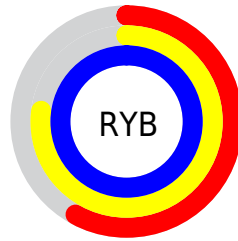
The XYZ color **59.5833, 71.8874, 105.3430** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **61.2281, 52.5560, 35.3528**, and the grayscale version is **61.4047, 64.6025, 70.3521**.

A 20% lighter version of the original color is **79.5421, 92.0054, 108.1742**, and **30.2296, 37.7456, 59.1185** is the 20% darker color. If you saturate the color by 10%, you get **53.9551, 66.7969, 104.6571**, and if you desaturate by 10%, it is **66.2789, 77.5981, 106.0924**.

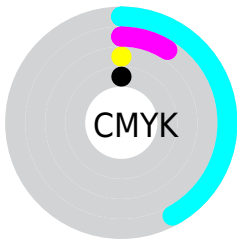
Distribution



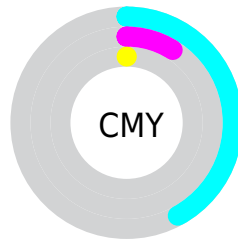
- Red (58%)
- Green (91%)
- Blue (100%)



- Red (58%)
- Yellow (77%)
- Blue (100%)



- Cyan (42%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)



- Cyan (42%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 59.5833, 71.8874, 105.3430 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 59.5833, 71.8874, 105.3430 by changing the saturation by 10% instead.

59.5833, 71.8874,
105.3430

59.5833, 71.8874,
105.3430

412.9195,
467.1496, 598.5827

43.3310, 53.0667,
80.1285

103.3347,
121.8964, 170.5962

30.3406, 37.8560,
59.2973

131.5646,
153.8535, 211.4719

20.2466, 25.8710,
42.4309

164.5177,
190.9583, 258.4052

12.6837, 16.7271,
29.1108

202.5595,
233.5950, 311.8145

7.2866, 10.0401,
18.9183

246.0552,
282.1481, 372.1183

3.6899, 5.4256,
11.4351

295.3702,

1.5282, 2.4991,

337.0019, 439.7353

6.2424

350.8698,
398.5410, 515.0839

■ 0.3449, 0.8762,
2.9219

■ 0.0000, 0.0000,
1.0549

■ 59.5833, 71.8874,
105.3430

■ 59.5833, 71.8874,
105.3430

■ 53.9551, 66.7969,
104.6571

■ 66.2789, 77.5981,
106.0924

■ 49.3206, 62.2832,
104.0301

■ 74.0973, 83.9533,
106.9070

■ 45.6064, 58.3094,
103.4589

■ 83.0972, 90.9854,
107.7900

■ 42.7253, 54.8301,
102.9391

■ 93.3313, 98.7221,
108.7439

■ 40.5729, 51.7908,
102.4659

95.0500, 100.0000,
108.9000

■ 39.1900, 49.5000,
102.0967

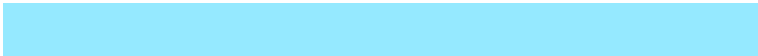
Harmonies

Analogous

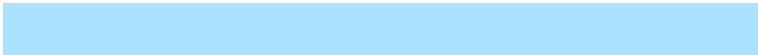
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



56.8502, 71.8874, 86.6217



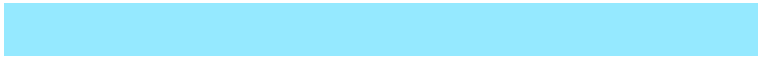
59.5833, 71.8874, 105.3430



64.7379, 71.8874, 117.7750

Triad

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



59.5833, 71.8874, 105.3430



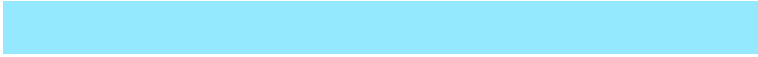
81.0012, 71.8874, 89.2102



65.5482, 71.8874, 48.3017

Complementary

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



59.5833, 71.8874, 105.3430



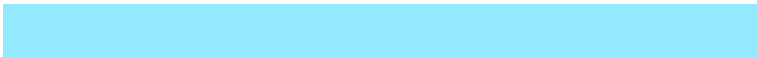
61.2281, 52.5560, 35.3528

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.



72.0460, 71.8874, 48.7685



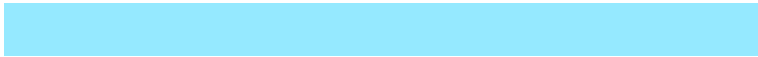
59.5833, 71.8874, 105.3430



81.2525, 71.8874, 70.4790

Square

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



59.5833, 71.8874, 105.3430



77.2201, 71.8874, 107.4953



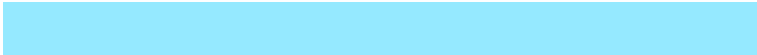
77.8864, 71.8874, 56.2900



60.1440, 71.8874, 54.8940

Rectangle

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



59.5833, 71.8874, 105.3430



68.9871, 71.8874, 119.7724



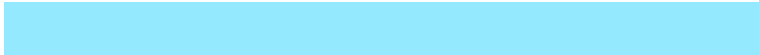
77.8864, 71.8874, 56.2900



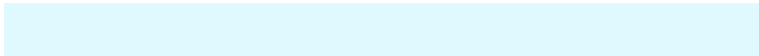
67.6708, 71.8874, 47.6733

Sweetspot

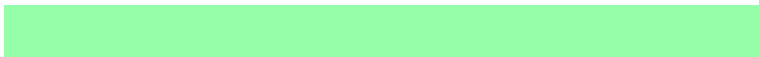
The Sweet Spot groups the original color and five complimentary colors.



59.5853, 71.8901, 105.3434



82.6822, 90.6665, 107.7503



55.4302, 80.8200, 50.8096



17.4325, 19.2021, 23.0375



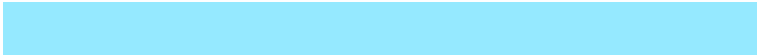
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



59.5853, 71.8901, 105.3434



54.7697, 67.5557, 104.7606



46.9291, 46.5777, 101.1247



18.2160, 19.8036, 23.1123



20.5888, 26.0872, 53.3848



2.0813, 2.6933, 5.2234

Inverse Universe

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



66.6967, 48.6397, 82.9669



62.9730, 42.1998, 78.6199



73.1067, 76.3131, 39.3124



18.6217, 18.2320, 21.8909



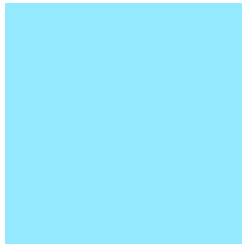
27.1805, 13.3615, 30.6646



2.6852, 1.3164, 3.1894

Previews

White Background



This preview shows how the XYZ color 59.5833, 71.8874, 105.3430 looks on a white background.

Color Contrast Check

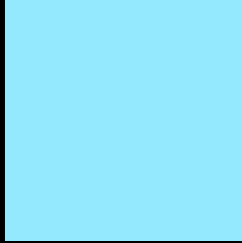
Large Text (above 18pt) WCAG AA × Fail

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 59.5833, 71.8874, 105.3430 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 59.5833, 71.8874, 105.3430

Background



This preview shows how black text looks on a background with the XYZ color 59.5833, 71.8874, 105.3430.

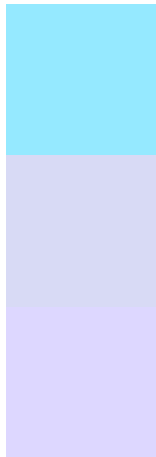


This preview shows how white text looks on a background with the XYZ color 59.5833, 71.8874,

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

59.5833, 71.8874, 105.3430

Protanopia

69.8717, 71.3343, 96.4725

Deuteranopia

72.1692, 71.1930, 104.5456



Tritanopia

58.9223, 71.6020, 102.8105

Trichromacy



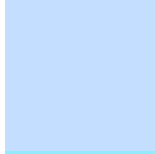
Original Color

59.5833, 71.8874, 105.3430



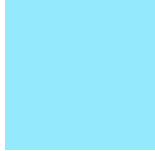
Protanomaly

65.2248, 70.8214, 99.8547



Deuteranomaly

66.6770, 71.0647, 104.8103



Tritanomaly

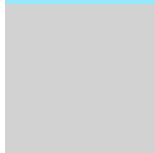
59.0813, 71.6656, 103.6474

Monochromacy



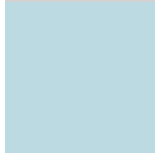
Original Color

59.5833, 71.8874, 105.3430



Achromatopsia

61.2578, 64.4480, 70.1838



Achromatomaly

59.5379, 66.3252, 81.6156

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.5833, 71.8874, 105.3430 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(149, 233, 255)` looks like.

```
.text, #text, p{  
    color:rgb(149, 233, 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(149, 233, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 233, 255) }
```

Border

The CSS property to change the border of an element to XYZ 59.5833, 71.8874, 105.3430 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(149, 233, 255) }
```


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

```
.border{ border-color:rgb(149, 233, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 233, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 233, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 233, 255);  
box-shadow:4px 4px 4px 4px rgb(149, 233,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 59.5833, 71.8874, 105.3430 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 233, 255) }
```

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

```
.background{ background-color: rgb(149,  
233, 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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