

Converting Colors

XYZ(58.9874, 71.6680,
105.3321)

Have a look what the booklet for
XYZ(58.9874, 71.6680, 105.3321)
contains.

XYZ(58.8660, 71.5176, 105.3094)	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(58.8660, 71.5176,
105.3094)**

Conversions

Conversions Part 1

Format	Color
Hex	91E9FF
RGB	145, 233, 255
RGB Percent	57%, 91%, 100%
CMY	0.4314, 0.0863, 0.0000
CMYK	0.43, 0.09, 0.00, 0.00
HSL	192°, 100%, 78%
HSV	192°, 43%, 100%
XYZ	58.8660, 71.5176, 105.3094
YIQ	209.1960, -59.5100, -11.8140

Conversions

Conversions Part 2

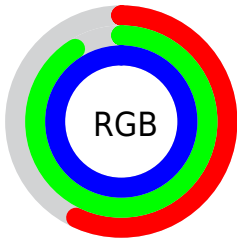
Format	Color
R_{YB}	145, 194, 255
Decimal	9562623
CIE _{Lab}	87.74, -20.94, -18.93
CIE _{LCh}	88, 28.229, 222.120
Yxy	71.5176, 0.2498, 0.3034
Android (android.graphics.Color)	4287752703 (0xFF91E9FF)
YUV	209.1960, 22.5814, -56.2999
Hunter-Lab	84.5681, -23.7442, -14.6339

Details

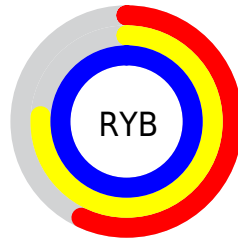
The XYZ color **58.8660, 71.5176, 105.3094** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **60.1701, 50.9423, 33.4517**, and the grayscale version is **60.6191, 63.7761, 69.4521**.

A 20% lighter version of the original color is **78.4386, 91.4365, 108.1226**, and **29.8457, 37.5477, 59.1005** is the 20% darker color. If you saturate the color by 10%, you get **53.4444, 66.6121, 104.6483**, and if you desaturate by 10%, it is **65.3416, 77.0317, 106.0325**.

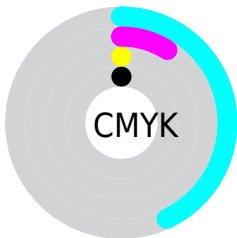
Distribution



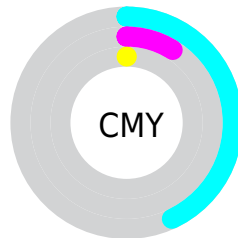
- Red (57%)
- Green (91%)
- Blue (100%)



- Red (57%)
- Yellow (76%)
- Blue (100%)



- Cyan (43%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)



- Cyan (43%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 58.8660, 71.5176, 105.3094 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 58.8660, 71.5176, 105.3094 by changing the saturation by 10% instead.

■ 58.8660, 71.5176,
105.3094

■ 58.8660, 71.5176,
105.3094

410.3072,
465.8608, 598.4757

■ 42.7512, 52.7647,
80.1005

■ 102.2986,
121.3704, 170.5499

■ 29.8836, 37.6150,
59.2744

■ 130.3472,
153.2392, 211.4185

■ 19.8979, 25.6840,
42.4126

163.1044,
190.2486, 258.3441

■ 12.4287, 16.5874,
29.0965

200.9355,
232.7832, 311.7452

■ 7.1106, 9.9407,
18.9076

244.2060,
281.2273, 372.0404

■ 3.5783, 5.3597,
11.4274

293.2812,

■ 1.4665, 2.4598,

335.9654, 439.6482

6.2373

348.5265,
397.3817, 514.9871

■ 0.3028, 0.8564,
2.9188

■ 0.0000, 0.0000,
1.0533

■ 58.8660, 71.5176,
105.3094

■ 58.8660, 71.5176,
105.3094

■ 53.4444, 66.6121,
104.6483

■ 65.3416, 77.0317,
106.0325

■ 49.0023, 62.2713,
104.0446

■ 72.9275, 83.1790,
106.8192

■ 45.4645, 58.4576,
103.4950

■ 81.6831, 89.9922,
107.6728

■ 42.7419, 55.1246,
102.9951

■ 91.6616, 97.4992,
108.5959

■ 40.7262, 52.2158,
102.5399

95.0500, 100.0000,
108.9000

■ 39.6445, 50.4090,
102.2482

Harmonies

Analogous

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



56.1489, 71.5176, 85.8711



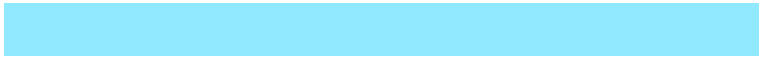
58.8660, 71.5176, 105.3094



64.0986, 71.5176, 118.4957

Triad

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



58.8660, 71.5176, 105.3094



80.9788, 71.5176, 89.7486



65.3080, 71.5176, 47.0978

Complementary

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



58.8660, 71.5176, 105.3094



60.1701, 50.9423, 33.4517

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.



72.0053, 71.5176, 47.7871



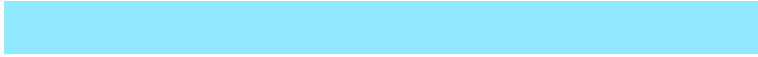
58.8660, 71.5176, 105.3094



81.3557, 71.5176, 70.3830

Square

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



58.8660, 71.5176, 105.3094



76.9807, 71.5176, 108.5464



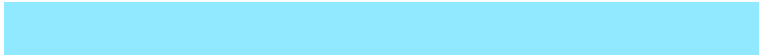
77.9790, 71.5176, 55.6669



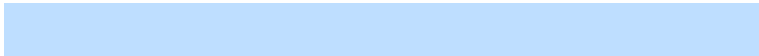
59.7012, 71.5176, 53.5982

Rectangle

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



58.8660, 71.5176, 105.3094



68.4526, 71.5176, 120.8336



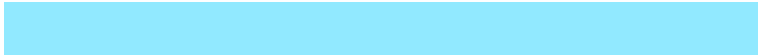
77.9790, 71.5176, 55.6669



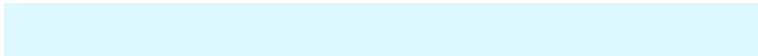
67.5003, 71.5176, 46.5304

Sweetspot

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



58.8680, 71.5203, 105.3099



81.8098, 90.0890, 107.6848



54.2450, 80.2630, 48.3122



17.0741, 18.9479, 23.0074



0.0000, 0.0000, 0.0000



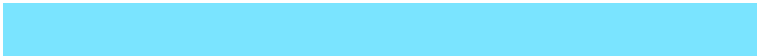
20.3446, 21.4041, 23.3091

Same Dimension

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



58.8680, 71.5203, 105.3099



54.0094, 67.1401, 104.7205



46.0163, 45.8169, 101.0260



18.2282, 19.8279, 23.1164



20.8236, 26.5567, 53.4630



2.1022, 2.7351, 5.2304

Inverse Universe

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



66.0747, 47.3958, 82.7595



62.3196, 40.9058, 78.3622



71.9886, 74.5793, 37.3911



18.6278, 18.2344, 21.9232



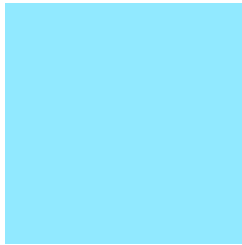
27.2990, 13.4089, 31.2886



2.6957, 1.3207, 3.2450

Previews

White Background



This preview shows how the XYZ color 58.8660, 71.5176, 105.3094 looks on a white background.

Color Contrast Check

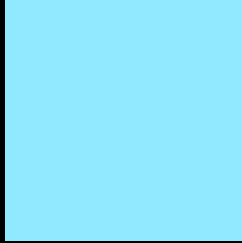
Large Text (above 18pt) WCAG AA × Fail

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 58.8660, 71.5176, 105.3094 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 58.8660, 71.5176, 105.3094

Background



This preview shows how black text looks on a background with the XYZ color 58.8660, 71.5176, 105.3094.

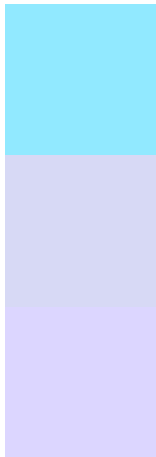


This preview shows how white text looks on a background with the XYZ color 58.8660, 71.5176,

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

58.8660, 71.5176, 105.3094

Protanopia

69.3186, 70.6654, 96.3725

Deuteranopia

71.6118, 70.5288, 104.4468



Tritanopia

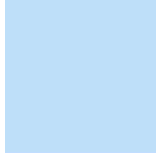
58.2112, 71.2354, 102.7772

Trichromacy



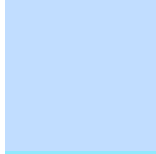
Original Color

58.8660, 71.5176, 105.3094



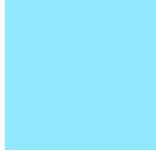
Protanomaly

64.7218, 70.5621, 99.8312



Deuteranomaly

65.8988, 70.2704, 104.6980



Tritanomaly

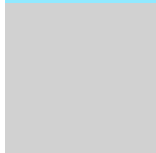
58.3701, 71.2990, 103.6142

Monochromacy



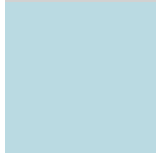
Original Color

58.8660, 71.5176, 105.3094



Achromatopsia

60.6036, 63.7597, 69.4343



Achromatomaly

59.0486, 66.0729, 81.5927

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.8660, 71.5176, 105.3094 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(145, 233, 255)` looks like.

```
.text, #text, p{  
    color:rgb(145, 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(145, 233, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 233, 255) }
```

Border

The CSS property to change the border of an element to XYZ 58.8660, 71.5176, 105.3094 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(145, 233, 255) }
```


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

```
.border{ border-color:rgb(145, 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(145, 233, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 233, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 233, 255);  
box-shadow:4px 4px 4px 4px rgb(145, 233,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 58.8660, 71.5176, 105.3094 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 233, 255) }
```

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

```
.background{ background-color: rgb(145,  
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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