

Converting Colors

XYZ(59.8468, 71.4090,
110.0152)

Have a look what the booklet for
XYZ(59.8468, 71.4090, 110.0152)
contains.

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Color

**XYZ(58.9392, 71.1363,
105.2320)**

Conversions

Conversions Part 1

Format	Color
Hex	93E8FF
RGB	147, 232, 255
RGB Percent	58%, 91%, 100%
CMY	0.4235, 0.0902, 0.0000
CMYK	0.42, 0.09, 0.00, 0.00
HSL	193°, 100%, 79%
HSV	193°, 42%, 100%
XYZ	58.9392, 71.1363, 105.2320
YIQ	209.2070, -58.0430, -10.8670

Conversions

Conversions Part 2

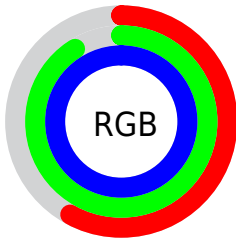
Format	Color
RYB	147, 195, 255
Decimal	9693439
CIELab	87.55, -19.97, -19.20
CIELCh	88, 27.702, 223.883
Yxy	71.1363, 0.2505, 0.3023
Android (android.graphics.Color)	4287883519 (0xFF93E8FF)
YUV	209.2070, 22.5759, -54.5555
Hunter-Lab	84.3423, -22.8617, -14.9351

Details

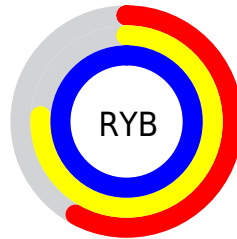
The XYZ color **58.9392, 71.1363, 105.2320** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **60.8816, 52.1163, 34.4562**, and the grayscale version is **60.6256, 63.7828, 69.4595**.

A 20% lighter version of the original color is **78.9868, 91.7191, 108.1483**, and **29.8382, 37.2517, 59.0437** is the 20% darker color. If you saturate the color by 10%, you get **53.3588, 66.0270, 104.5399**, and if you desaturate by 10%, it is **65.5841, 76.8678, 105.9881**.

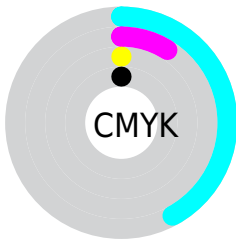
Distribution



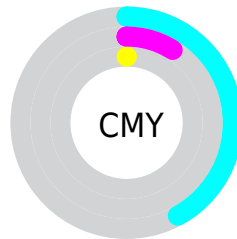
- Red (58%)
- Green (91%)
- Blue (100%)



- Red (58%)
- Yellow (76%)
- 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 58.9392, 71.1363, 105.2320 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 58.9392, 71.1363, 105.2320 by changing the saturation by 10% instead.

58.9392, 71.1363,
105.2320

58.9392, 71.1363,
105.2320

410.5742,
464.5298, 598.2292

42.8104, 52.4534,
80.0360

102.4044,
120.8278, 170.4431

29.9302, 37.3666,
59.2216

130.4715,
152.6052, 211.2953

19.9334, 25.4915,
42.3704

163.2487,
189.5162, 258.2033

12.4547, 16.4436,
29.0637

201.1015,
231.9453, 311.5856

7.1285, 9.8386,
18.8830

244.3950,
280.2768, 371.8608

3.5896, 5.2921,
11.4098

293.4947,

1.4727, 2.4196,

334.8951, 439.4475

6.2256

348.7660,
396.1846, 514.7641

■ 0.3072, 0.8360,
2.9117

■ 0.0000, 0.0000,
1.0497

■ 58.9392, 71.1363,
105.2320

■ 58.9392, 71.1363,
105.2320

■ 53.3588, 66.0270,
104.5399

■ 65.5841, 76.8678,
105.9881

■ 48.7689, 61.4962,
103.9073

■ 73.3497, 83.2460,
106.8099

■ 45.0951, 57.5065,
103.3308

■ 82.2948, 90.3036,
107.7007

■ 42.2493, 54.0119,
102.8063

■ 92.4726, 98.0687,
108.6631

■ 40.1251, 50.9568, 95.0500, 100.0000,
102.3286 108.9000

■ 38.8672, 48.8544,
101.9891

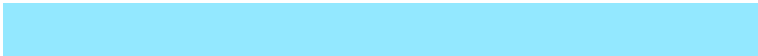
Harmonies

Analogous

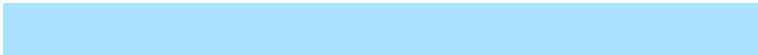
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



56.1133, 71.1363, 86.4323



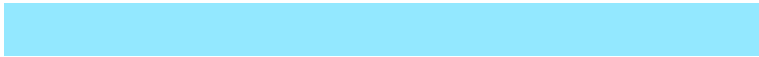
58.9392, 71.1363, 105.2320



64.1781, 71.1363, 117.5118

Triad

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



58.9392, 71.1363, 105.2320



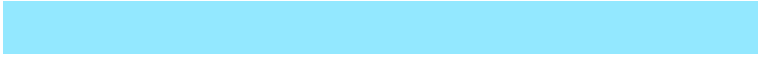
80.4426, 71.1363, 87.9010



64.6370, 71.1363, 47.4620

Complementary

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



58.9392, 71.1363, 105.2320



60.8816, 52.1163, 34.4562

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.



71.1681, 71.1363, 47.7249



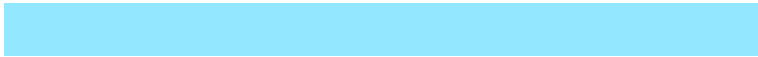
58.9392, 71.1363, 105.2320



80.5853, 71.1363, 69.1225

Square

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



58.9392, 71.1363, 105.2320



76.7203, 71.1363, 106.4557



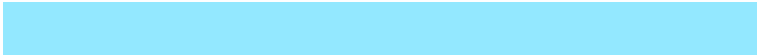
77.0984, 71.1363, 55.0548



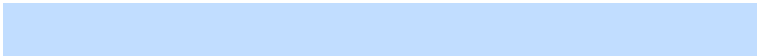
59.2564, 71.1363, 54.2671

Rectangle

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



58.9392, 71.1363, 105.2320



68.4691, 71.1363, 119.2823



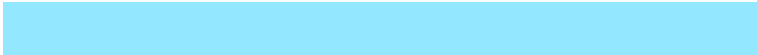
77.0984, 71.1363, 55.0548



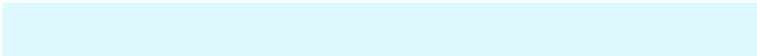
66.7639, 71.1363, 46.7653

Sweetspot

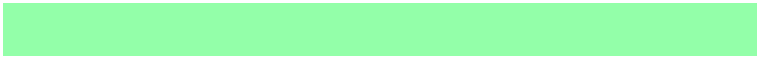
The Sweet Spot groups the original color and five complimentary colors.



58.9412, 71.1390, 105.2324



81.6776, 89.8246, 107.6408



54.9177, 80.5732, 49.9990



17.0412, 18.8821, 22.9964



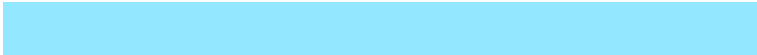
0.0000, 0.0000, 0.0000



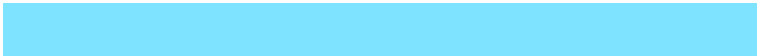
20.3446, 21.4041, 23.3091

Same Dimension

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



58.9412, 71.1390, 105.2324



54.0535, 66.6830, 104.6299



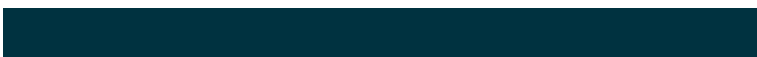
46.2844, 45.8255, 101.0135



18.2073, 19.7862, 23.1094



20.4220, 25.7537, 53.3292



2.0664, 2.6636, 5.2185

Inverse Universe

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



66.2405, 47.9552, 82.1120



62.4750, 41.4776, 77.6093



72.7881, 75.9293, 38.4250



18.6173, 18.2302, 21.8677



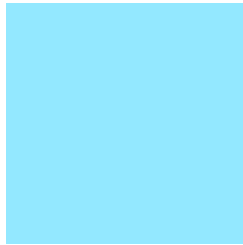
27.0963, 13.3278, 30.2213



2.6776, 1.3134, 3.1499

Previews

White Background



This preview shows how the XYZ color 58.9392, 71.1363, 105.2320 looks on a white background.

Color Contrast Check

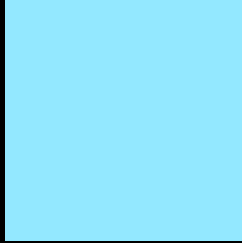
Large Text (above 18pt) WCAG AA × Fail

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 58.9392, 71.1363, 105.2320 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 58.9392, 71.1363, 105.2320

Background



This preview shows how black text looks on a background with the XYZ color 58.9392, 71.1363, 105.2320.

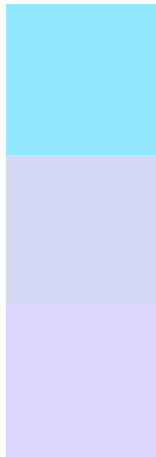


This preview shows how white text looks on a background with the XYZ color 58.9392, 71.1363,

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

58.9392, 71.1363, 105.2320

Protanopia

69.0258, 70.5144, 96.3588

Deuteranopia

71.6118, 70.5288, 104.4468



Tritanopia

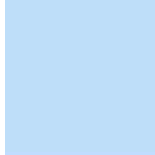
58.4056, 71.3539, 101.9612

Trichromacy



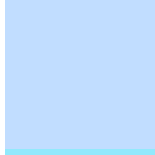
Original Color

58.9392, 71.1363, 105.2320



Protanomaly

64.4554, 70.0293, 99.7424



Deuteranomaly

65.8988, 70.2704, 104.6980



Tritanomaly

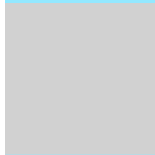
58.5637, 71.4171, 102.7937

Monochromacy



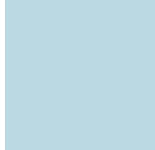
Original Color

58.9392, 71.1363, 105.2320



Achromatopsia

60.6036, 63.7597, 69.4343



Achromatomaly

58.7900, 65.5558, 81.5065

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.9392, 71.1363, 105.2320 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(147, 232, 255)` looks like.

```
.text, #text, p{  
    color:rgb(147, 232, 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(147, 232, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 232, 255) }
```

Border

The CSS property to change the border of an element to XYZ 58.9392, 71.1363, 105.2320 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(147, 232, 255) }
```


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

```
.border{ border-color:rgb(147, 232, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 232, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 232, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 232, 255);  
box-shadow:4px 4px 4px 4px rgb(147, 232,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 58.9392, 71.1363, 105.2320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 232, 255) }
```

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

```
.background{ background-color: rgb(147,  
232, 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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