

Converting Colors

XYZ(58.4243, 71.9346,
105.4132)

Have a look what the booklet for
XYZ(58.4243, 71.9346, 105.4132)
contains.

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Color

**XYZ(58.5735, 72.2121,
105.4589)**

Conversions

Conversions Part 1

Format	Color
Hex	8CEBFF
RGB	140, 235, 255
RGB Percent	55%, 92%, 100%
CMY	0.4510, 0.0784, 0.0000
CMYK	0.45, 0.08, 0.00, 0.00
HSL	190°, 100%, 77%
HSV	190°, 45%, 100%
XYZ	58.5735, 72.2121, 105.4589
YIQ	208.8750, -63.0400, -13.9200

Conversions

Conversions Part 2

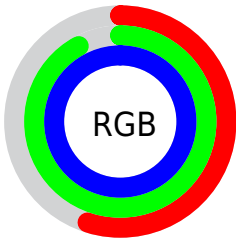
Format	Color
RYB	140, 192, 255
Decimal	9235455
CIELab	88.07, -23.09, -18.45
CIELCh	88, 29.554, 218.627
Yxy	72.2121, 0.2479, 0.3057
Android (android.graphics.Color)	4287425535 (0xFF8CEBFF)
YUV	208.8750, 22.7396, -60.4034
Hunter-Lab	84.9777, -25.6744, -14.0956

Details

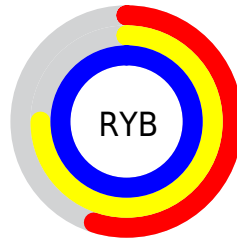
The XYZ color **58.5735, 72.2121, 105.4589** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **58.5449, 48.2955, 31.0491**, and the grayscale version is **60.4106, 63.5566, 69.2132**.

A 20% lighter version of the original color is **77.3632, 90.8821, 108.0723**, and **29.6214, 38.0229, 59.2040** is the 20% darker color. If you saturate the color by 10%, you get **53.5109, 67.7427, 104.8631**, and if you desaturate by 10%, it is **64.6672, 77.2634, 106.1127**.

Distribution



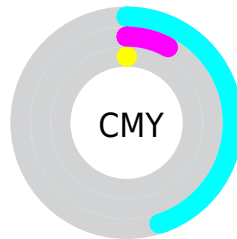
- Red (55%)
- Green (92%)
- Blue (100%)



- Red (55%)
- Yellow (75%)
- Blue (100%)



- Cyan (45%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)



- Cyan (45%)
- Magenta (8%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 58.5735, 72.2121, 105.4589 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 58.5735, 72.2121, 105.4589 by changing the saturation by 10% instead.

58.5735, 72.2121,
105.4589

58.5735, 72.2121,
105.4589

409.2390,
468.2795, 598.9517

42.5149, 53.3320,
80.2251

101.8757,
122.3580, 170.7560

29.6976, 38.0678,
59.3763

129.8501,
154.3926, 211.6564

19.7561, 26.0353,
42.4941

162.5271,
191.5808, 258.6160

12.3251, 16.8501,
29.1599

200.2720,
234.3070, 312.0534

7.0393, 10.1277,
18.9552

243.4504,
282.9555, 372.3871

3.5332, 5.4837,
11.4614

292.4274,

1.4416, 2.5338,

337.9109, 440.0357

6.2601

347.5685,
399.5574, 515.4177

■ 0.2856, 0.8935,
2.9325

■ 0.0000, 0.0000,
1.0603

■ 58.5735, 72.2121,
105.4589

■ 58.5735, 72.2121,
105.4589

■ 53.5109, 67.7427,
104.8631

■ 64.6672, 77.2634,
106.1127

■ 49.4036, 63.8107,
104.3206

■ 71.8493, 82.9214,
106.8263

■ 46.1744, 60.3777,
103.8281

■ 80.1799, 89.2192,
107.6028

■ 43.7314, 57.3959,
103.3814

■ 89.7130, 96.1848,
108.4449

■ 41.9612, 54.8066, 95.0500, 100.0000,
102.9749 108.9000

■ 41.2596, 53.6393,
102.7865

Harmonies

Analogous

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



56.0777, 72.2121, 84.5996



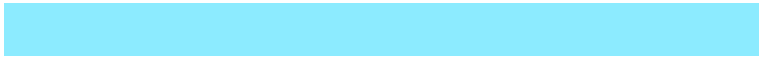
58.5735, 72.2121, 105.4589



63.8092, 72.2121, 120.6395

Triad

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



58.5735, 72.2121, 105.4589



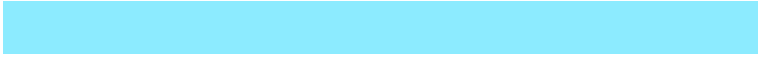
82.0593, 72.2121, 93.6528



66.6206, 72.2121, 46.1303

Complementary

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



58.5735, 72.2121, 105.4589



58.5449, 48.2955, 31.0491

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.



73.6991, 72.2121, 47.7125



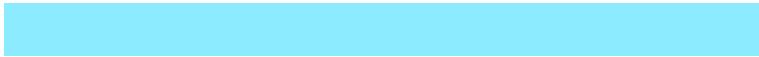
58.5735, 72.2121, 105.4589



82.9405, 72.2121, 72.9418

Square

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



58.5735, 72.2121, 105.4589



77.4570, 72.2121, 113.0518



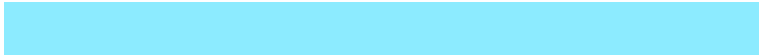
79.7883, 72.2121, 56.7819



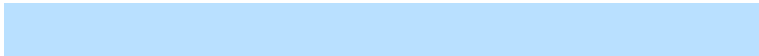
60.5105, 72.2121, 52.0127

Rectangle

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



58.5735, 72.2121, 105.4589



68.3109, 72.2121, 124.2139



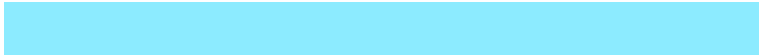
79.7883, 72.2121, 56.7819



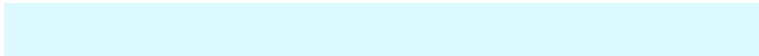
68.9610, 72.2121, 45.8307

Sweetspot

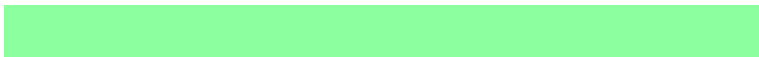
The Sweet Spot groups the original color and five complimentary colors.



58.5755, 72.2148, 105.4593



81.1653, 89.9497, 107.6919



52.8489, 79.6050, 45.4585



16.9605, 18.9468, 23.0131



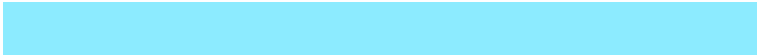
0.0000, 0.0000, 0.0000



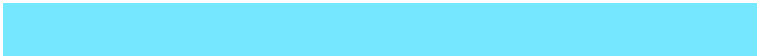
20.3446, 21.4041, 23.3091

Same Dimension

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



58.5755, 72.2148, 105.4593



54.0181, 68.2058, 104.9257



44.8535, 44.7708, 100.8853



18.2703, 19.9123, 23.1305



21.6574, 28.2244, 53.7410



2.1762, 2.8831, 5.2551

Inverse Universe

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



65.6148, 46.0160, 84.0239



62.0680, 39.8253, 80.0584



70.7014, 72.6085, 35.1013



18.6491, 18.2430, 22.0353



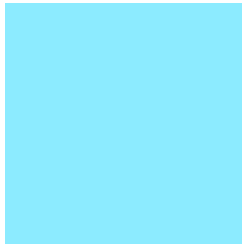
27.7199, 13.5772, 33.5048



2.7330, 1.3356, 3.4416

Previews

White Background



This preview shows how the XYZ color 58.5735, 72.2121, 105.4589 looks on a white background.

Color Contrast Check

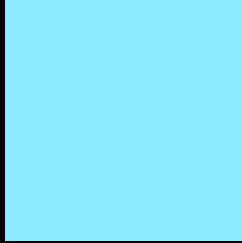
Large Text (above 18pt) WCAG AA × Fail

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 58.5735, 72.2121, 105.4589 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

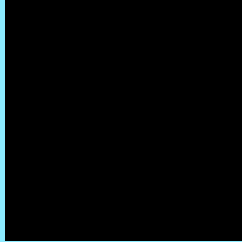
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 58.5735, 72.2121, 105.4589

Background



This preview shows how black text looks on a background with the XYZ color 58.5735, 72.2121, 105.4589.

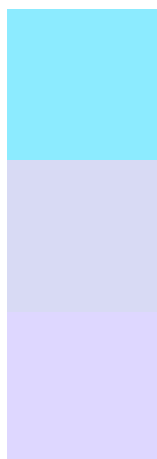


This preview shows how white text looks on a background with the XYZ color 58.5735, 72.2121,

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

58.5735, 72.2121, 105.4589

Protanopia

69.7194, 71.2734, 95.6705

Deuteranopia

72.4746, 71.3505, 104.5599



Tritanopia

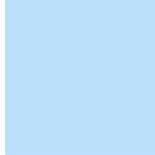
58.4129, 72.1479, 104.6132

Trichromacy



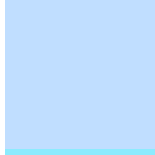
Original Color

58.5735, 72.2121, 105.4589



Protanomaly

64.3380, 70.7800, 99.0779



Deuteranomaly

65.9095, 70.6690, 104.7744



Tritanomaly

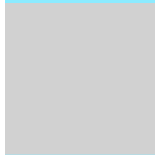
58.4129, 72.1479, 104.6132

Monochromacy



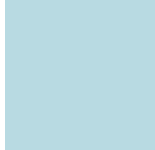
Original Color

58.5735, 72.2121, 105.4589



Achromatopsia

60.6036, 63.7597, 69.4343



Achromatomaly

58.5660, 65.8241, 81.5701

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.5735, 72.2121, 105.4589 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(140, 235, 255)` looks like.

```
.text, #text, p{  
    color:rgb(140, 235, 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(140, 235, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 235, 255) }
```

Border

The CSS property to change the border of an element to XYZ 58.5735, 72.2121, 105.4589 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(140, 235, 255) }
```


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

```
.border{ border-color:rgb(140, 235, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 235, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 235, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 235, 255);  
box-shadow:4px 4px 4px 4px rgb(140, 235,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 58.5735, 72.2121, 105.4589 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 235, 255) }
```

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

```
.background{ background-color: rgb(140,  
235, 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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