

Converting Colors

XYZ(58.6435, 70.8131,
105.1852)

Have a look what the booklet for
XYZ(58.6435, 70.8131, 105.1852)
contains.

XYZ(58.7607, 71.0442, 105.2236)	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(58.7607, 71.0442,
105.2236)**

Conversions

Conversions Part 1

Format	Color
Hex	92E8FF
RGB	146, 232, 255
RGB Percent	57%, 91%, 100%
CMY	0.4274, 0.0902, 0.0000
CMYK	0.43, 0.09, 0.00, 0.00
HSL	193°, 100%, 79%
HSV	193°, 43%, 100%
XYZ	58.7607, 71.0442, 105.2236
YIQ	208.9080, -58.6390, -11.0790

Conversions

Conversions Part 2

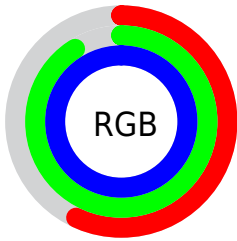
Format	Color
RYB	146, 194, 255
Decimal	9627903
CIELab	87.51, -20.20, -19.27
CIELCh	88, 27.923, 223.651
Yxy	71.0442, 0.2500, 0.3023
Android (android.graphics.Color)	4287817983 (0xFF92E8FF)
YUV	208.9080, 22.7234, -55.1703
Hunter-Lab	84.2877, -23.0633, -15.0154

Details

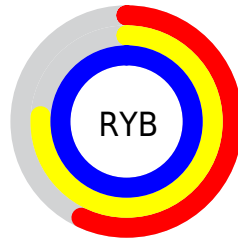
The XYZ color **58.7607, 71.0442, 105.2236** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **60.6169, 51.7119, 33.9828**, and the grayscale version is **60.4301, 63.5772, 69.2356**.

A 20% lighter version of the original color is **78.7118, 91.5774, 108.1354**, and **29.7429, 37.2026, 59.0393** is the 20% darker color. If you saturate the color by 10%, you get **53.2323, 65.9819, 104.5379**, and if you desaturate by 10%, it is **65.3503, 76.7257, 105.9730**.

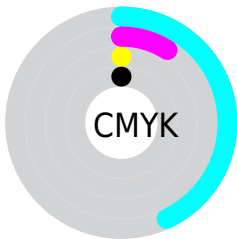
Distribution



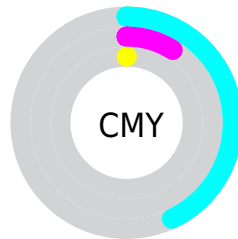
- Red (57%)
- Green (91%)
- Blue (100%)



- 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 58.7607, 71.0442, 105.2236 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 58.7607, 71.0442, 105.2236 by changing the saturation by 10% instead.

■ 58.7607, 71.0442,
105.2236

■ 58.7607, 71.0442,
105.2236

409.9229,
464.2079, 598.2025

■ 42.6661, 52.3783,
80.0290

■ 102.1464,
120.6967, 170.4315

■ 29.8166, 37.3067,
59.2159

■ 130.1683,
152.4520, 211.2819

■ 19.8468, 25.4450,
42.3658

162.8966,
189.3392, 258.1880

■ 12.3914, 16.4089,
29.0601

200.6968,
231.7428, 311.5683

■ 7.0849, 9.8140,
18.8803

243.9341,
280.0470, 371.8413

■ 3.5621, 5.2758,
11.4079

292.9740,

■ 1.4575, 2.4100,

334.6364, 439.4257

6.2243

348.1818,
395.8952, 514.7399

■ 0.2966, 0.8310,
2.9110

■ 0.0000, 0.0000,
1.0493

■ 58.7607, 71.0442,
105.2236

■ 58.7607, 71.0442,
105.2236

■ 53.2323, 65.9819,
104.5379

■ 65.3503, 76.7257,
105.9730

■ 48.6907, 61.4948,
103.9112

■ 73.0573, 83.0510,
106.7877

■ 45.0612, 57.5456,
103.3402

■ 81.9409, 90.0529,
107.6709

■ 42.2551, 54.0879,
102.8207

■ 92.0542, 97.7594,
108.6254

■ 40.1651, 51.0656,
102.3475

95.0500, 100.0000,
108.9000

■ 38.9831, 49.0862,
102.0277

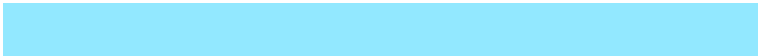
Harmonies

Analogous

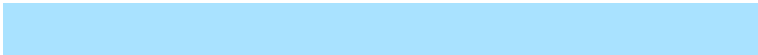
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



55.9389, 71.0442, 86.2449



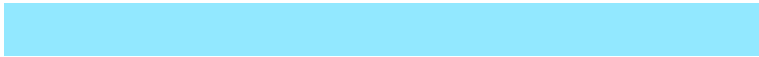
58.7607, 71.0442, 105.2236



64.0189, 71.0442, 117.6910

Triad

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



58.7607, 71.0442, 105.2236



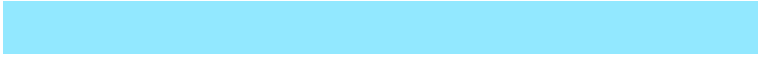
80.4367, 71.0442, 88.0331



64.5771, 71.0442, 47.1629

Complementary

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



58.7607, 71.0442, 105.2236



60.6169, 51.7119, 33.9828

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.



71.1576, 71.0442, 47.4819



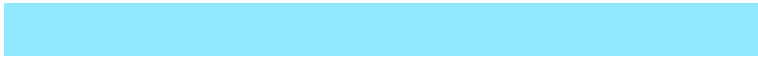
58.7607, 71.0442, 105.2236



80.6105, 71.0442, 69.0981

Square

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



58.7607, 71.0442, 105.2236



76.6606, 71.0442, 106.7151



77.1210, 71.0442, 54.9006



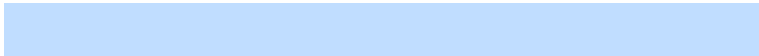
59.1464, 71.0442, 53.9441

Rectangle

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



58.7607, 71.0442, 105.2236



68.3359, 71.0442, 119.5454



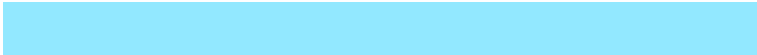
77.1210, 71.0442, 54.9006



66.7213, 71.0442, 46.4817

Sweetspot

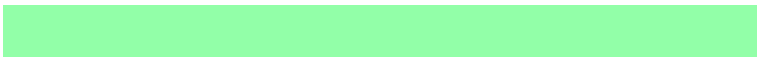
The Sweet Spot groups the original color and five complimentary colors.



58.7627, 71.0468, 105.2240



81.6975, 89.8643, 107.6474



54.6646, 80.4513, 49.5977



17.0462, 18.8920, 22.9980



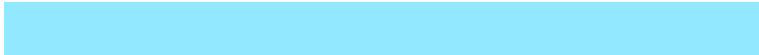
0.0000, 0.0000, 0.0000



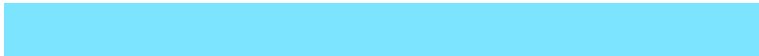
20.3446, 21.4041, 23.3091

Same Dimension

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



58.7627, 71.0468, 105.2240



54.1231, 66.8221, 104.6531



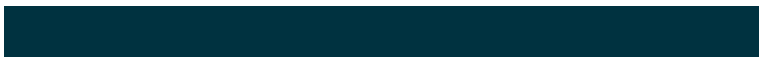
45.9657, 45.4530, 100.9584



18.2104, 19.7924, 23.1105



20.4819, 25.8734, 53.3491



2.0718, 2.6742, 5.2203

Inverse Universe

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



66.0857, 47.6458, 82.0602



62.5101, 41.4917, 77.7941



72.6301, 75.7384, 37.9872



18.6189, 18.2309, 21.8760



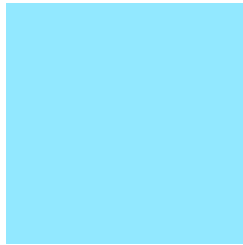
27.1265, 13.3399, 30.3804



2.6803, 1.3145, 3.1641

Previews

White Background



This preview shows how the XYZ color 58.7607, 71.0442, 105.2236 looks on a white background.

Color Contrast Check

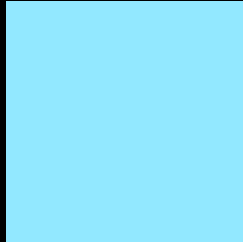
Large Text (above 18pt) WCAG AA × Fail

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 58.7607, 71.0442, 105.2236 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 58.7607, 71.0442, 105.2236

Background



This preview shows how black text looks on a background with the XYZ color 58.7607, 71.0442, 105.2236.

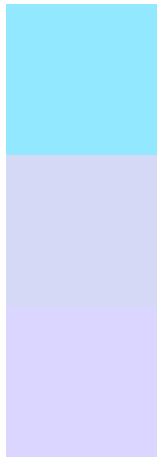


This preview shows how white text looks on a background with the XYZ color 58.7607, 71.0442,

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

58.7607, 71.0442, 105.2236

Protanopia

69.0258, 70.5144, 96.3588

Deuteranopia

71.3100, 70.3732, 104.4327



Tritanopia

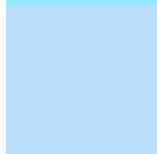
58.2286, 71.2626, 101.9529

Trichromacy



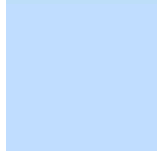
Original Color

58.7607, 71.0442, 105.2236



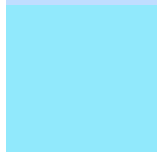
Protanomaly

64.2064, 69.9009, 99.7307



Deuteranomaly

65.6447, 70.1394, 104.6861



Tritanomaly

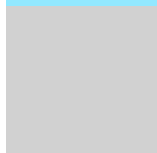
58.3867, 71.3258, 102.7854

Monochromacy



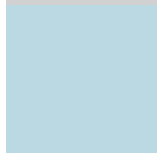
Original Color

58.7607, 71.0442, 105.2236



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 58.7607, 71.0442, 105.2236 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(146, 232, 255)` looks like.

```
.text, #text, p{  
    color:rgb(146, 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(146, 232, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 232, 255) }
```

Border

The CSS property to change the border of an element to XYZ 58.7607, 71.0442, 105.2236 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(146, 232, 255) }
```


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

```
.border{ border-color:rgb(146, 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(146, 232, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 232, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 232, 255);  
box-shadow:4px 4px 4px 4px rgb(146, 232,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 58.7607, 71.0442, 105.2236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 232, 255) }
```

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

```
.background{ background-color: rgb(146,  
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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