

Converting Colors

XYZ(72.5240, 76.3034,
178.8836)

Have a look what the booklet for
XYZ(72.5240, 76.3034, 178.8836)
contains.

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Color

**XYZ(58.4800, 70.4828,
105.1301)**

Conversions

Conversions Part 1

Format	Color
Hex	92E7FF
RGB	146, 231, 255
RGB Percent	57%, 91%, 100%
CMY	0.4274, 0.0941, 0.0000
CMYK	0.43, 0.09, 0.00, 0.00
HSL	193°, 100%, 79%
HSV	193°, 43%, 100%
XYZ	58.4800, 70.4828, 105.1301
YIQ	208.3210, -58.3640, -10.5560

Conversions

Conversions Part 2

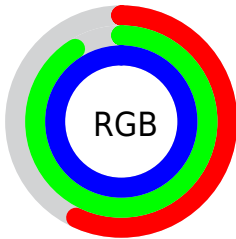
Format	Color
R_{YB}	146, 194, 255
Decimal	9627647
CIE _{Lab}	87.23, -19.71, -19.69
CIE _{LCh}	87, 27.855, 224.974
Yxy	70.4828, 0.2498, 0.3011
Android (android.graphics.Color)	4287817727 (0xFF92E7FF)
YUV	208.3210, 23.0127, -54.6555
Hunter-Lab	83.9540, -22.5815, -15.4771

Details

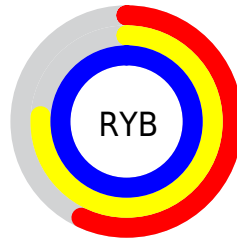
The XYZ color **58.4800, 70.4828, 105.1301** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **60.8037, 52.0854, 34.0450**, and the grayscale version is **60.0467, 63.1738, 68.7962**.

A 20% lighter version of the original color is **78.7118, 91.5774, 108.1354**, and **29.5475, 36.8119, 58.9742** is the 20% darker color. If you saturate the color by 10%, you get **52.8967, 65.3107, 104.4260**, and if you desaturate by 10%, it is **65.1285, 76.2821, 105.8990**.

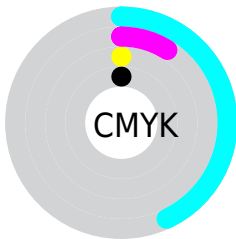
Distribution



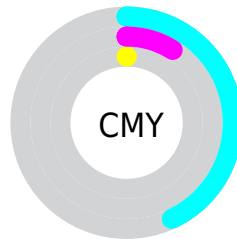
- Red (57%)
- Green (91%)
- Blue (100%)



- 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 58.4800, 70.4828, 105.1301 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 58.4800, 70.4828, 105.1301 by changing the saturation by 10% instead.

58.4800, 70.4828,
105.1301

58.4800, 70.4828,
105.1301

408.8972,
462.2434, 597.9046

42.4394, 51.9202,
79.9511

101.7405,
119.8970, 170.3026

29.6381, 36.9415,
59.1522

129.6911,
151.5174, 211.1331

19.7108, 25.1622,
42.3148

162.3424,
188.2593, 258.0179

12.2920, 16.1979,
29.0205

200.0598,
230.5069, 311.3755

7.0165, 9.6643,
18.8506

243.2086,
278.6447, 371.6244

3.5188, 5.1770,
11.3867

292.1542,

1.4337, 2.3515,

333.0572, 439.1832

6.2101

347.2620,
394.1286, 514.4704

■ 0.2800, 0.8008,
2.9024

■ 0.0000, 0.0000,
1.0450

■ 58.4800, 70.4828,
105.1301

■ 58.4800, 70.4828,
105.1301

■ 52.8967, 65.3107,
104.4260

■ 65.1285, 76.2821,
105.8990

■ 48.3042, 60.7219,
103.7823

■ 72.8985, 82.7334,
106.7347

■ 44.6277, 56.6788,
103.1957

■ 81.8492, 89.8696,
107.6404

■ 41.7786, 53.1348,
102.6618

■ 92.0339, 97.7187,
108.6186

■ 39.6493, 50.0340,
102.1755

95.0500, 100.0000,
108.9000

■ 38.4411, 48.0022,
101.8470

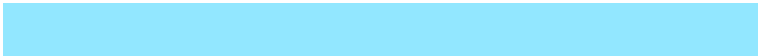
Harmonies

Analogous

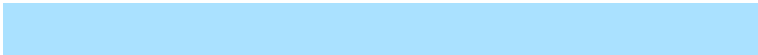
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



55.5583, 70.4828, 86.4346



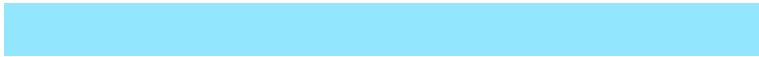
58.4800, 70.4828, 105.1301



63.7827, 70.4828, 117.0670

Triad

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



58.4800, 70.4828, 105.1301



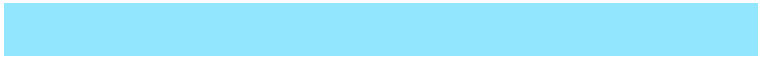
79.8919, 70.4828, 86.4694



63.7935, 70.4828, 46.9337

Complementary

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



58.4800, 70.4828, 105.1301



60.8037, 52.0854, 34.0450

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.



70.3068, 70.4828, 46.9399



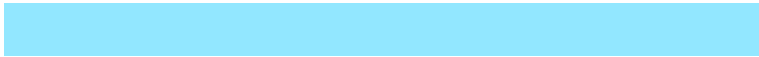
58.4800, 70.4828, 105.1301



79.8952, 70.4828, 67.8058

Square

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



58.4800, 70.4828, 105.1301



76.2829, 70.4828, 105.1591



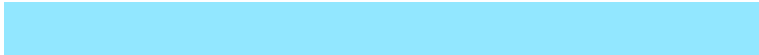
76.2918, 70.4828, 53.9910



58.4875, 70.4828, 53.9724

Rectangle

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



58.4800, 70.4828, 105.1301



68.0884, 70.4828, 118.5259



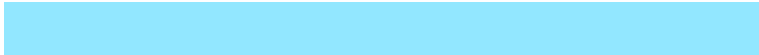
76.2918, 70.4828, 53.9910



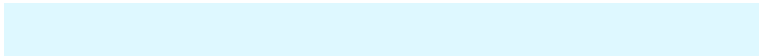
65.9070, 70.4828, 46.1543

Sweetspot

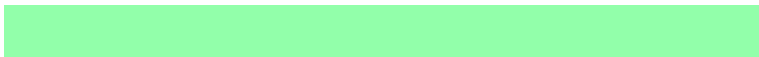
The Sweet Spot groups the original color and five complimentary colors.



58.4819, 70.4854, 105.1305



81.6040, 89.6775, 107.6162



54.8348, 80.5194, 50.4940



17.0229, 18.8455, 22.9903



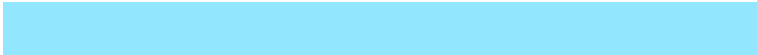
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



58.4819, 70.4854, 105.1305



53.7968, 66.1695, 104.5443



45.6048, 44.7311, 100.8381



18.1956, 19.7629, 23.1056



20.2019, 25.3133, 53.2558



2.0468, 2.6242, 5.2119

Inverse Universe

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



65.9440, 47.5891, 81.3141



62.3454, 41.4258, 76.9268



73.1161, 76.7103, 38.1491



18.6114, 18.2279, 21.8368



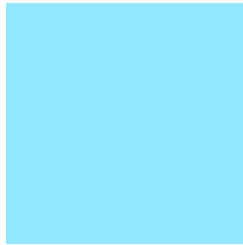
26.9852, 13.2834, 29.6360



2.6677, 1.3095, 3.0976

Previews

White Background



This preview shows how the XYZ color 58.4800, 70.4828, 105.1301 looks on a white background.

Color Contrast Check

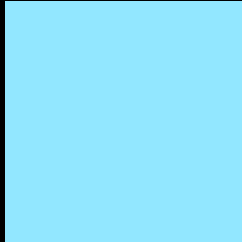
Large Text (above 18pt) WCAG AA × Fail

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 58.4800, 70.4828, 105.1301 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 58.4800, 70.4828, 105.1301

Background



This preview shows how black text looks on a background with the XYZ color 58.4800, 70.4828, 105.1301.

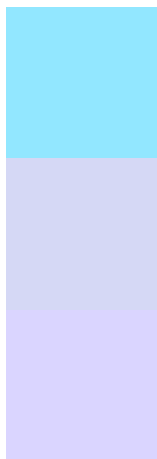


This preview shows how white text looks on a background with the XYZ color 58.4800, 70.4828,

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

58.4800, 70.4828, 105.1301

Protanopia

68.4779, 69.8504, 96.2595

Deuteranopia

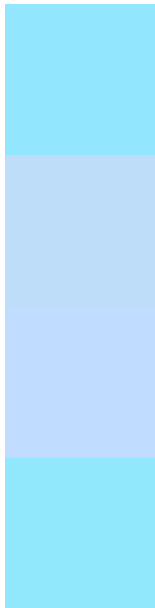
70.7577, 69.7139, 104.3345



Tritanopia

57.7890, 70.6351, 101.0306

Trichromacy



Original Color

58.4800, 70.4828, 105.1301

Protanomaly

63.9416, 69.3713, 99.6424

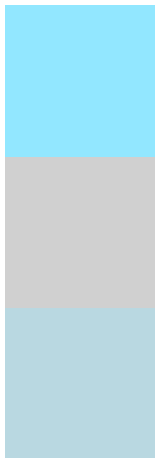
Deuteranomaly

65.3814, 69.6129, 104.5984

Tritanomaly

58.1044, 70.7612, 102.6913

Monochromacy



Original Color

58.4800, 70.4828, 105.1301

Achromatopsia

59.9535, 63.0757, 68.6895

Achromatomaly

58.1541, 64.8623, 80.6888

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.4800, 70.4828, 105.1301 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, 231, 255)` looks like.

```
.text, #text, p{  
    color:rgb(146, 231, 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, 231, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 231, 255) }
```

Border

The CSS property to change the border of an element to XYZ 58.4800, 70.4828, 105.1301 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, 231, 255) }
```


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

```
.border{ border-color:rgb(146, 231, 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, 231, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 231, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 231, 255);  
box-shadow:4px 4px 4px 4px rgb(146, 231,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 58.4800, 70.4828, 105.1301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 231, 255) }
```

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

```
.background{ background-color: rgb(146,  
231, 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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