

Converting Colors

XYZ(56.8671, 71.7125,
105.4524)

Have a look what the booklet for
XYZ(56.8671, 71.7125, 105.4524)
contains.

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Color

**XYZ(56.9475, 71.8001,
105.4651)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|------------------------------|
| Hex | 80ECFF |
| RGB | 128, 236, 255 |
| RGB Percent | 50%, 93%, 100% |
| CMY | 0.4980, 0.0745, 0.0000 |
| CMYK | 0.50, 0.07, 0.00, 0.00 |
| HSL | 189°, 100%, 75% |
| HSV | 189°, 50%, 100% |
| XYZ | 56.9475, 71.8001, 105.4651 |
| YIQ | 205.8740, -70.4670, -16.9870 |

Conversions

Conversions Part 2

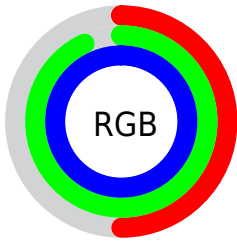
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 128, 186, 255 |
| Decimal | 8449279 |
| CIE _{Lab} | 87.87, -26.21, -18.79 |
| CIE _{LCh} | 88, 32.251, 215.646 |
| Yxy | 71.8001, 0.2431, 0.3066 |
| Android (android.graphics.Color) | 4286639359 (0xFF80ECFF) |
| YUV | 205.8740, 24.2191, -68.2955 |
| Hunter-Lab | 84.7349, -28.3223, -14.4807 |

Details

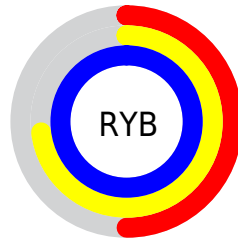
The XYZ color **56.9475, 71.8001, 105.4651** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **55.5706, 43.6866, 25.9274**, and the grayscale version is **58.4698, 61.5148, 66.9896**.

A 20% lighter version of the original color is **74.5490, 89.4314, 107.9406**, and **28.6287, 37.8097, 59.2152** is the 20% darker color. If you saturate the color by 10%, you get **52.4969, 67.8944, 104.9458**, and if you desaturate by 10%, it is **62.3891, 76.2548, 106.0381**.

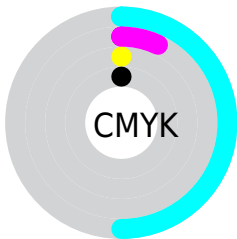
Distribution



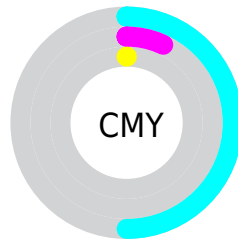
- Red (50%)
- Green (93%)
- Blue (100%)



- Red (50%)
- Yellow (73%)
- Blue (100%)



- Cyan (50%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (50%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 56.9475, 71.8001, 105.4651 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 56.9475, 71.8001, 105.4651 by changing the saturation by 10% instead.

56.9475, 71.8001,
105.4651

56.9475, 71.8001,
105.4651

403.2699,
466.8455, 598.9715

41.2031, 52.9954,
80.2302

99.5204, 121.7723,
170.7646

28.6662, 37.7991,
59.3805

127.0795,
153.7086, 211.6662

18.9714, 25.8268,
42.4975

159.3076,
190.7908, 258.6272

11.7535, 16.6941,
29.1626

196.5701,
233.4034, 312.0662

6.6471, 10.0166,
18.9572

239.2321,
281.9308, 372.4015

3.2867, 5.4100,
11.4629

287.6592,

1.3071, 2.4898,

336.7574, 440.0518

6.2610

342.2167,
398.2675, 515.4356

■ 0.1886, 0.8715,
2.9331

■ 0.0000, 0.0000,
1.0606

■ 56.9475, 71.8001,
105.4651

■ 56.9475, 71.8001,
105.4651

■ 52.4969, 67.8944,
104.9458

■ 62.3891, 76.2548,
106.0381

■ 48.9577, 64.4914,
104.4755

■ 68.8819, 81.2848,
106.6668

■ 46.2475, 61.5503,
104.0506

■ 76.4882, 86.9241,
107.3544

■ 44.2657, 59.0188,
103.6665

■ 85.2637, 93.2016,
108.1036

■ 42.8517, 56.8140, 95.0500, 100.0000,
103.3154 108.9000

■ 42.8259, 56.7717,
103.3086

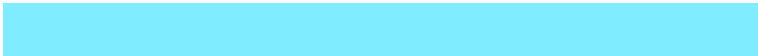
Harmonies

Analogous

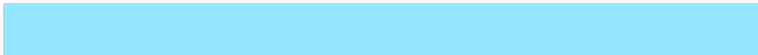
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



54.5950, 71.8001, 82.4072



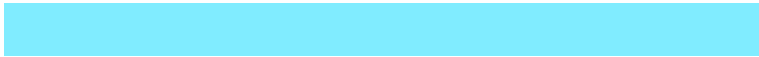
56.9475, 71.8001, 105.4651



62.3413, 71.8001, 123.3125

Triad

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



56.9475, 71.8001, 105.4651



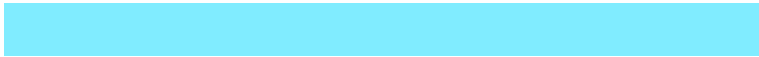
82.5798, 71.8001, 96.9202



66.8033, 71.8001, 43.2300

Complementary

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



56.9475, 71.8001, 105.4651



55.5706, 43.6866, 25.9274

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.



74.5077, 71.8001, 45.6685



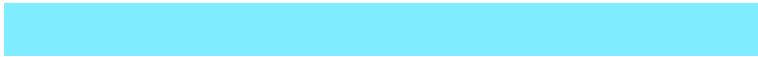
56.9475, 71.8001, 105.4651



83.9967, 71.8001, 74.0962

Square

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



56.9475, 71.8001, 105.4651



77.2040, 71.8001, 117.7675



80.9432, 71.8001, 56.0573



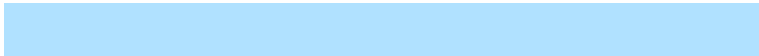
60.0052, 71.8001, 48.6340

Rectangle

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



56.9475, 71.8001, 105.4651



67.1303, 71.8001, 128.3059



80.9432, 71.8001, 56.0573



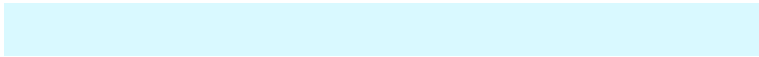
69.3696, 71.8001, 43.1742

Sweetspot

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



56.9495, 71.8027, 105.4655



80.5528, 89.8571, 107.7063



49.7690, 78.1520, 39.2248



16.8525, 18.9536, 23.0201



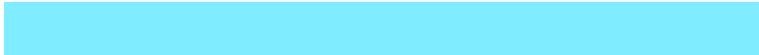
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



56.9495, 71.8027, 105.4655



52.4182, 67.8221, 104.9360



42.1994, 42.3025, 100.5488



18.3097, 19.9911, 23.1436



22.4653, 29.8402, 54.0103



2.2475, 3.0256, 5.2788

Inverse Universe

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



64.1008, 42.7561, 84.2341



60.5730, 36.5954, 80.2998



67.7988, 68.1430, 30.0035



18.6690, 18.2509, 22.1400



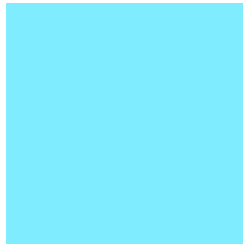
28.1276, 13.7403, 35.6522



2.7690, 1.3500, 3.6311

Previews

White Background



This preview shows how the XYZ color 56.9475, 71.8001, 105.4651 looks on a white background.

Color Contrast Check

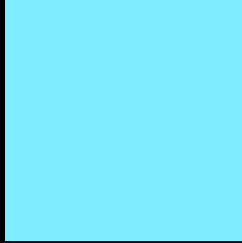
Large Text (above 18pt) WCAG AA × Fail

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 56.9475, 71.8001, 105.4651 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 56.9475, 71.8001, 105.4651

Background



This preview shows how black text looks on a background with the XYZ color 56.9475, 71.8001, 105.4651.

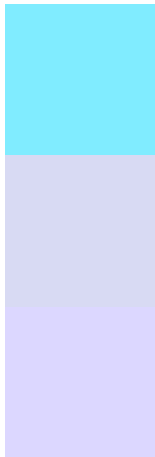


This preview shows how white text looks on a background with the XYZ color 56.9475, 71.8001,

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

56.9475, 71.8001, 105.4651

Protanopia

69.5680, 71.2128, 94.8728

Deuteranopia

71.8656, 71.0365, 104.5314



Tritanopia

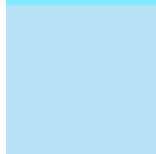
56.9475, 71.8001, 105.4651

Trichromacy



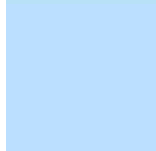
Original Color

56.9475, 71.8001, 105.4651



Protanomaly

63.4809, 70.7562, 98.3072



Deuteranomaly

64.9312, 70.5601, 104.8050



Tritanomaly

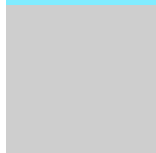
56.9475, 71.8001, 105.4651

Monochromacy



Original Color

56.9475, 71.8001, 105.4651



Achromatopsia

58.6655, 61.7207, 67.2138



Achromatomaly

56.6275, 64.4725, 79.9809

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.9475, 71.8001, 105.4651 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(128, 236, 255)` looks like.

```
.text, #text, p{  
    color:rgb(128, 236, 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(128, 236, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 236, 255) }
```

Border

The CSS property to change the border of an element to XYZ 56.9475, 71.8001, 105.4651 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(128, 236, 255) }
```


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

```
.border{ border-color:rgb(128, 236, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 236, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 236, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 236, 255);  
box-shadow:4px 4px 4px 4px rgb(128, 236,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 56.9475, 71.8001, 105.4651 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 236, 255) }
```

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

```
.background{ background-color: rgb(128,  
236, 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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