

Converting Colors

XYZ(56.7262, 71.7311,
105.2080)

Have a look what the booklet for
XYZ(56.7262, 71.7311, 105.2080)
contains.

XYZ(56.7978, 71.7229, 105.4581)	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(56.7978, 71.7229,
105.4581)**

Conversions

Conversions Part 1

Format	Color
Hex	7FECFF
RGB	127, 236, 255
RGB Percent	50%, 93%, 100%
CMY	0.5019, 0.0745, 0.0000
CMYK	0.50, 0.07, 0.00, 0.00
HSL	189°, 100%, 75%
HSV	189°, 50%, 100%
XYZ	56.7978, 71.7229, 105.4581
YIQ	205.5750, -71.0630, -17.1990

Conversions

Conversions Part 2

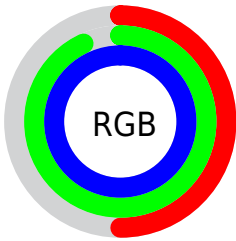
Format	Color
RYB	127, 186, 255
Decimal	8383743
CIELab	87.84, -26.42, -18.85
CIElCh	88, 32.456, 215.517
Yxy	71.7229, 0.2427, 0.3065
Android (android.graphics.Color)	4286573823 (0xFF7FECFF)
YUV	205.5750, 24.3665, -68.9103
Hunter-Lab	84.6894, -28.4935, -14.5474

Details

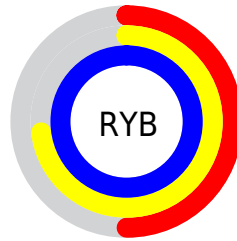
The XYZ color **56.7978, 71.7229, 105.4581** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **55.3503, 43.3508, 25.5308**, and the grayscale version is **58.2784, 61.3134, 66.7703**.

A 20% lighter version of the original color is **74.3035, 89.3048, 107.9291**, and **28.5642, 37.7765, 59.2122** is the 20% darker color. If you saturate the color by 10%, you get **52.3920, 67.8527, 104.9433**, and if you desaturate by 10%, it is **62.1916, 76.1399, 106.0264**.

Distribution



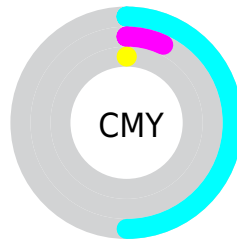
- Red (50%)
- Green (93%)
- Blue (100%)



- 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 56.7978, 71.7229, 105.4581 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 56.7978, 71.7229, 105.4581 by changing the saturation by 10% instead.

56.7978, 71.7229,
105.4581

56.7978, 71.7229,
105.4581

402.7176,
466.5765, 598.9492

41.0824, 52.9323,
80.2244

99.3032, 121.6625,
170.7549

28.5715, 37.7488,
59.3758

126.8238,
153.5803, 211.6551

18.8995, 25.7878,
42.4937

159.0104,
190.6427, 258.6145

11.7013, 16.6649,
29.1596

196.2280,
233.2340, 312.0517

6.6114, 9.9959,
18.9550

238.8423,
281.7386, 372.3853

3.2644, 5.3962,
11.4613

287.2184,

1.2951, 2.4816,

336.5410, 440.0336

6.2599

341.7217,
398.0255, 515.4154

■ 0.1795, 0.8674,
2.9324

■ 0.0000, 0.0000,
1.0602

■ 56.7978, 71.7229,
105.4581

■ 56.7978, 71.7229,
105.4581

■ 52.3920, 67.8527,
104.9433

■ 62.1916, 76.1399,
106.0264

■ 48.8941, 64.4830,
104.4772

■ 68.6337, 81.1303,
106.6501

■ 46.2212, 61.5724,
104.0563

■ 76.1867, 86.7280,
107.3325

■ 44.2720, 59.0686,
103.6758

■ 84.9065, 92.9621,
108.0762

■ 42.9026, 56.9253,
103.3342

94.8449, 99.8595,
108.8837

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



54.4487, 71.7229, 82.2487



56.7978, 71.7229, 105.4581



62.2072, 71.7229, 123.4761

Triad

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



56.7978, 71.7229, 105.4581



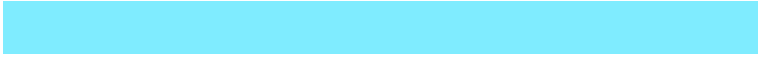
82.5776, 71.7229, 97.0518



66.7547, 71.7229, 42.9876

Complementary

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



56.7978, 71.7229, 105.4581



55.3503, 43.3508, 25.5308

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.



74.5032, 71.7229, 45.4669



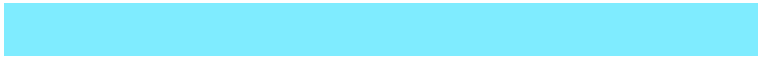
56.7978, 71.7229, 105.4581



84.0233, 71.7229, 74.0817

Square

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



56.7978, 71.7229, 105.4581



77.1540, 71.7229, 118.0171



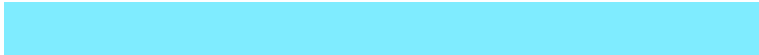
80.9681, 71.7229, 55.9273



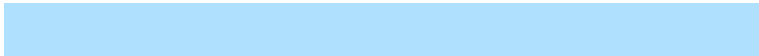
59.9128, 71.7229, 48.3736

Rectangle

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



56.7978, 71.7229, 105.4581



67.0177, 71.7229, 128.5510



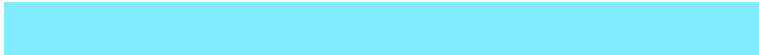
80.9681, 71.7229, 55.9273



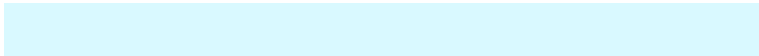
69.3364, 71.7229, 42.9428

Sweetspot

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



56.7998, 71.7255, 105.4585



80.5667, 89.8847, 107.7109



49.5527, 78.0483, 38.8673



16.8558, 18.9603, 23.0213



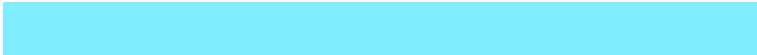
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



56.7998, 71.7255, 105.4585



52.4685, 67.9229, 104.9528



41.9271, 41.9802, 100.5009



18.3116, 19.9949, 23.1442



22.5049, 29.9193, 54.0235



2.2510, 3.0326, 5.2800

Inverse Universe

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



63.9710, 42.4965, 84.1908



60.5985, 36.6056, 80.4337



67.6438, 67.9377, 29.6287



18.6699, 18.2513, 22.1450



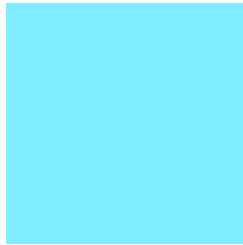
28.1476, 13.7483, 35.7574



2.7708, 1.3507, 3.6403

Previews

White Background



This preview shows how the XYZ color 56.7978, 71.7229, 105.4581 looks on a white background.

Color Contrast Check

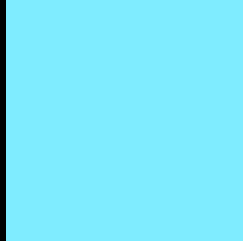
Large Text (above 18pt) WCAG AA × Fail

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 56.7978, 71.7229, 105.4581 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

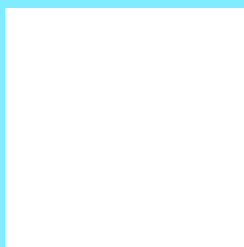
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 56.7978, 71.7229, 105.4581

Background



This preview shows how black text looks on a background with the XYZ color 56.7978, 71.7229, 105.4581.

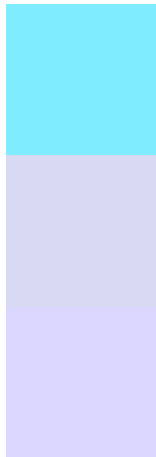


This preview shows how white text looks on a background with the XYZ color 56.7978, 71.7229,

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

56.7978, 71.7229, 105.4581

Protanopia

69.3094, 70.6957, 94.7867

Deuteranopia

71.8656, 71.0365, 104.5314



Tritanopia

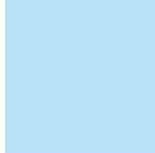
56.7978, 71.7229, 105.4581

Trichromacy



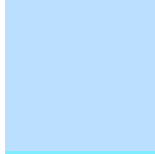
Original Color

56.7978, 71.7229, 105.4581



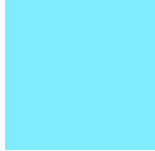
Protanomaly

63.2113, 70.2171, 98.2173



Deuteranomaly

64.6874, 70.4345, 104.7936



Tritanomaly

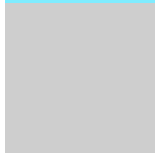
56.7978, 71.7229, 105.4581

Monochromacy



Original Color

56.7978, 71.7229, 105.4581



Achromatopsia

58.6655, 61.7207, 67.2138



Achromatomaly

56.3989, 64.3546, 79.9702

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.7978, 71.7229, 105.4581 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(127, 236, 255)` looks like.

```
.text, #text, p{  
    color:rgb(127, 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(127, 236, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 236, 255) }
```

Border

The CSS property to change the border of an element to XYZ 56.7978, 71.7229, 105.4581 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(127, 236, 255) }
```


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

```
.border{ border-color:rgb(127, 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(127, 236, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 236, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 236, 255);  
box-shadow:4px 4px 4px 4px rgb(127, 236,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 56.7978, 71.7229, 105.4581 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 236, 255) }
```

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

```
.background{ background-color: rgb(127,  
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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