

Converting Colors

XYZ(56.2988, 69.3584,
105.0280)

Have a look what the booklet for
XYZ(56.2988, 69.3584, 105.0280)
contains.

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Color

**XYZ(56.2988, 69.3584,
105.0280)**

Conversions

Conversions Part 1

Format	Color
Hex	85E7FF
RGB	133, 231, 255
RGB Percent	52%, 91%, 100%
CMY	0.4784, 0.0941, 0.0000
CMYK	0.48, 0.09, 0.00, 0.00
HSL	192°, 100%, 76%
HSV	192°, 48%, 100%
XYZ	56.2988, 69.3584, 105.0280
YIQ	204.4340, -66.1120, -13.3120

Conversions

Conversions Part 2

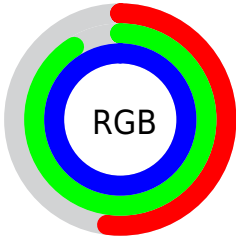
Format	Color
R_{YB}	133, 187, 255
Decimal	8775679
CIE _{Lab}	86.68, -22.68, -20.57
CIE _{LCh}	87, 30.622, 222.212
Yxy	69.3584, 0.2441, 0.3007
Android (android.graphics.Color)	4286965759 (0xFF85E7FF)
YUV	204.4340, 24.9290, -62.6476
Hunter-Lab	83.2817, -25.0762, -16.4745

Details

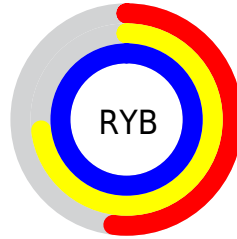
The XYZ color **56.2988, 69.3584, 105.0280** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **57.5313, 47.0682, 28.2452**, and the grayscale version is **57.5480, 60.5450, 65.9335**.

A 20% lighter version of the original color is **75.5482, 89.9465, 107.9873**, and **28.1955, 36.1149, 58.9109** is the 20% darker color. If you saturate the color by 10%, you get **51.3675, 64.7634, 104.4010**, and if you desaturate by 10%, it is **62.2513, 74.5427, 105.7149**.

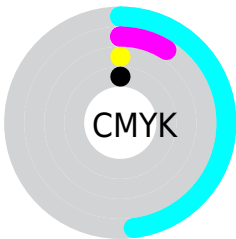
Distribution



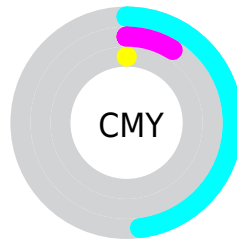
- Red (52%)
- Green (91%)
- Blue (100%)



- Red (52%)
- Yellow (73%)
- Blue (100%)



- Cyan (48%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)



- Cyan (48%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 56.2988, 69.3584, 105.0280 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 56.2988, 69.3584, 105.0280 by changing the saturation by 10% instead.

56.2988, 69.3584,
105.0280

56.2988, 69.3584,
105.0280

400.8734,
458.2940, 597.5792

40.6805, 51.0036,
79.8660

98.5786, 118.2933,
170.1617

28.2561, 36.2115,
59.0826

125.9708,
149.6423, 210.9706

18.6602, 24.5976,
42.2592

158.0183,
186.0915, 257.8321

11.5276, 15.7775,
28.9772

195.0865,
228.0252, 311.1649

6.4928, 9.3668,
18.8181

237.5408,
275.8280, 371.3874

3.1904, 4.9812,
11.3635

285.7464,

1.2553, 2.2363,

329.8841, 438.9183

6.1946

340.0689,
390.5780, 514.1761

■ 0.1493, 0.7397,
2.8931

■ 0.0000, 0.0000,
1.0403

■ 56.2988, 69.3584,
105.0280

■ 56.2988, 69.3584,
105.0280

■ 51.3675, 64.7634,
104.4010

■ 62.2513, 74.5427,
105.7149

■ 47.3793, 60.7123,
103.8292

■ 69.2843, 80.3426,
106.4637

■ 44.2540, 57.1647,
103.3092

■ 77.4592, 86.7919,
107.2777

■ 41.8947, 54.0703,
102.8363

■ 86.8309, 93.9194,
108.1595

■ 40.1721, 51.3619,
102.4043

95.0500, 100.0000,
108.9000

■ 39.8435, 50.8069,
102.3145

Harmonies

Analogous

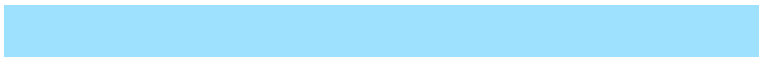
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



53.4333, 69.3584, 84.1163



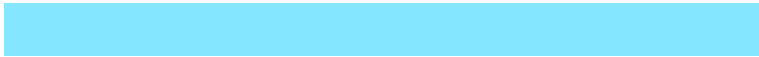
56.2988, 69.3584, 105.0280



61.8307, 69.3584, 119.3179

Triad

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



56.2988, 69.3584, 105.0280



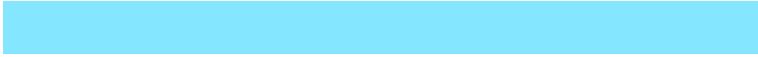
79.8296, 69.3584, 88.1348



63.0707, 69.3584, 43.3282

Complementary

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



56.2988, 69.3584, 105.0280



57.5313, 47.0682, 28.2452

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.



70.1922, 69.3584, 44.0130



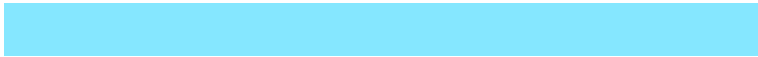
56.2988, 69.3584, 105.0280



80.2216, 69.3584, 67.5293

Square

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



56.2988, 69.3584, 105.0280



75.5507, 69.3584, 108.4220



76.5861, 69.3584, 52.1310



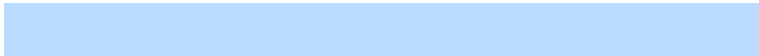
57.1502, 69.3584, 50.0540

Rectangle

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



56.2988, 69.3584, 105.0280



66.4527, 69.3584, 121.8371



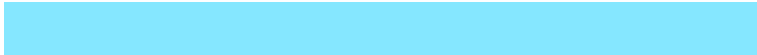
76.5861, 69.3584, 52.1310



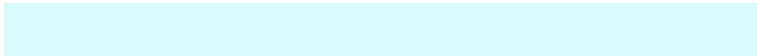
65.3962, 69.3584, 42.7388

Sweetspot

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



56.3007, 69.3610, 105.0284



80.9143, 89.4478, 107.6083



51.3814, 78.8861, 43.6925



16.8989, 18.8235, 22.9926



0.0000, 0.0000, 0.0000



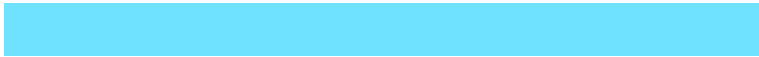
20.3446, 21.4041, 23.3091

Same Dimension

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



56.3007, 69.3610, 105.0284



51.7449, 65.1284, 104.4515



42.4073, 41.5741, 100.3972



18.2335, 19.8385, 23.1182



20.9263, 26.7623, 53.4973



2.1114, 2.7534, 5.2335

Inverse Universe

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



64.0526, 43.8063, 80.6836



60.5620, 37.8500, 76.3605



70.1244, 72.2543, 32.4429



18.6305, 18.2355, 21.9373



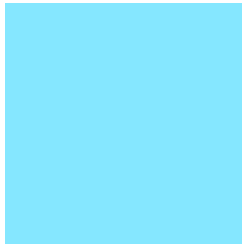
27.3509, 13.4296, 31.5617



2.7003, 1.3225, 3.2693

Previews

White Background



This preview shows how the XYZ color 56.2988, 69.3584, 105.0280 looks on a white background.

Color Contrast Check

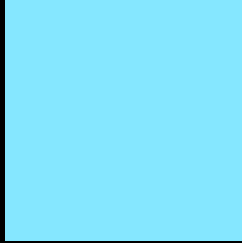
Large Text (above 18pt) WCAG AA × Fail

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 56.2988, 69.3584, 105.0280 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 56.2988, 69.3584, 105.0280

Background



This preview shows how black text looks on a background with the XYZ color 56.2988, 69.3584, 105.0280.

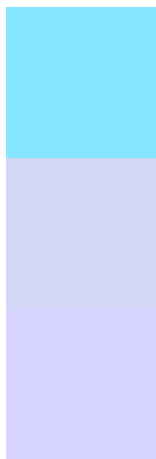


This preview shows how white text looks on a background with the XYZ color 56.2988, 69.3584,

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

56.2988, 69.3584, 105.0280

Protanopia

67.2397, 68.4737, 95.2608

Deuteranopia

69.6178, 68.7540, 104.2093



Tritanopia

55.6277, 69.5209, 100.9295

Trichromacy



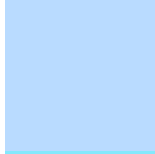
Original Color

56.2988, 69.3584, 105.0280



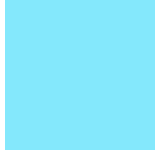
Protanomaly

62.0649, 68.0310, 98.6671



Deuteranomaly

63.3891, 68.1973, 104.4302



Tritanomaly

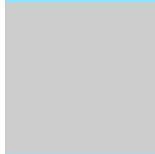
55.9430, 69.6470, 102.5902

Monochromacy



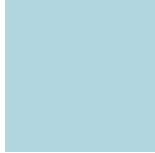
Original Color

56.2988, 69.3584, 105.0280



Achromatopsia

57.3938, 60.3827, 65.7568



Achromatomaly

55.7259, 62.8858, 79.0131

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.2988, 69.3584, 105.0280 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(133, 231, 255)` looks like.

```
.text, #text, p{  
    color:rgb(133, 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(133, 231, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 231, 255) }
```

Border

The CSS property to change the border of an element to XYZ 56.2988, 69.3584, 105.0280 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(133, 231, 255) }
```


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

```
.border{ border-color:rgb(133, 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(133, 231, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 231, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 231, 255);  
box-shadow:4px 4px 4px 4px rgb(133, 231,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 56.2988, 69.3584, 105.0280 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 231, 255) }
```

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

```
.background{ background-color: rgb(133,  
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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