

Converting Colors

XYZ(56.9768, 71.3963,
105.3856)

Have a look what the booklet for
XYZ(56.9768, 71.3963, 105.3856)
contains.

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Color

**XYZ(56.9643, 71.3825,
105.3836)**

Conversions

Conversions Part 1

Format	Color
Hex	82EBFF
RGB	130, 235, 255
RGB Percent	51%, 92%, 100%
CMY	0.4902, 0.0784, 0.0000
CMYK	0.49, 0.08, 0.00, 0.00
HSL	190°, 100%, 75%
HSV	190°, 49%, 100%
XYZ	56.9643, 71.3825, 105.3836
YIQ	205.8850, -69.0000, -16.0400

Conversions

Conversions Part 2

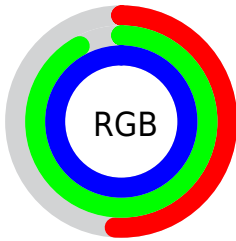
Format	Color
R_{YB}	130, 187, 255
Decimal	8580095
CIE _{Lab}	87.67, -25.30, -19.09
CIE _{LCh}	88, 31.693, 217.042
Yxy	71.3825, 0.2437, 0.3054
Android (android.graphics.Color)	4286770175 (0xFF82EBFF)
YUV	205.8850, 24.2137, -66.5511
Hunter-Lab	84.4882, -27.5046, -14.8118

Details

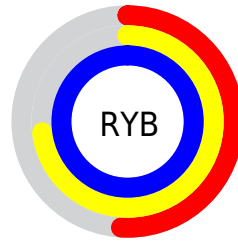
The XYZ color **56.9643, 71.3825, 105.3836** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **56.1764, 44.6853, 26.7856**, and the grayscale version is **58.4763, 61.5216, 66.9970**.

A 20% lighter version of the original color is **75.0452, 89.6871, 107.9638**, and **28.6279, 37.5107, 59.1575** is the 20% darker color. If you saturate the color by 10%, you get **52.3726, 67.3029, 104.8382**, and if you desaturate by 10%, it is **62.5558, 76.0205, 105.9841**.

Distribution



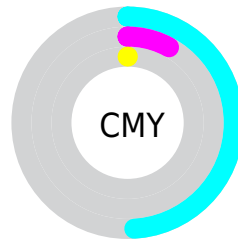
- Red (51%)
- Green (92%)
- Blue (100%)



- Red (51%)
- Yellow (73%)
- Blue (100%)



- Cyan (49%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)



- Cyan (49%)
- Magenta (8%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 56.9643, 71.3825, 105.3836 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 56.9643, 71.3825, 105.3836 by changing the saturation by 10% instead.

56.9643, 71.3825,
105.3836

56.9643, 71.3825,
105.3836

403.3319,
465.3894, 598.7120

41.2166, 52.6544,
80.1623

99.5448, 121.1782,
170.6522

28.6768, 37.5270,
59.3250

127.1082,
153.0146, 211.5365

18.9795, 25.6158,
42.4530

159.3410,
189.9892, 258.4790

11.7594, 16.5364,
29.1280

196.6084,
232.4864, 311.8982

6.6511, 9.9045,
18.9313

239.2759,
280.8907, 372.2125

3.2892, 5.3357,
11.4443

287.7087,

1.3085, 2.4455,

335.5863, 439.8405

6.2486

342.2722,
396.9578, 515.2009

■ 0.1896, 0.8492,
2.9256

■ 0.0000, 0.0000,
1.0568

■ 56.9643, 71.3825,
105.3836

■ 56.9643, 71.3825,
105.3836

■ 52.3726, 67.3029,
104.8382

■ 62.5558, 76.0205,
105.9841

■ 48.7016, 63.7359,
104.3432

■ 69.2068, 81.2431,
106.6416

■ 45.8700, 60.6408,
103.8950

■ 76.9792, 87.0840,
107.3594

■ 43.7787, 57.9663,
103.4890

■ 85.9284, 93.5722,
108.1401

■ 42.2818, 55.6369,
103.1183

95.0500, 100.0000,
108.9000

■ 42.1487, 55.4173,
103.0829

Harmonies

Analogous

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



54.5047, 71.3825, 82.9031



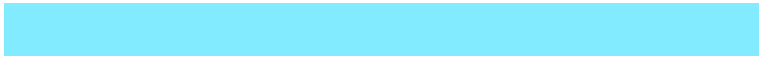
56.9643, 71.3825, 105.3836



62.3705, 71.3825, 122.3455

Triad

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



56.9643, 71.3825, 105.3836



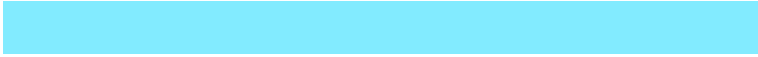
82.0264, 71.3825, 94.9905



66.0924, 71.3825, 43.4888

Complementary

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



56.9643, 71.3825, 105.3836



56.1764, 44.6853, 26.7856

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.



73.6349, 71.3825, 45.5319



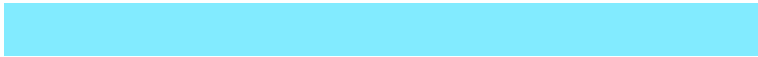
56.9643, 71.3825, 105.3836



83.2060, 71.3825, 72.7641

Square

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



56.9643, 71.3825, 105.3836



76.9200, 71.3825, 115.6140



80.0342, 71.3825, 55.3836



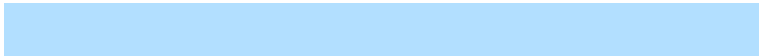
59.5170, 71.3825, 49.1735

Rectangle

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



56.9643, 71.3825, 105.3836



67.1047, 71.3825, 126.7542



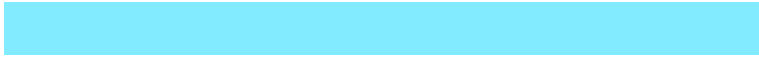
80.0342, 71.3825, 55.3836



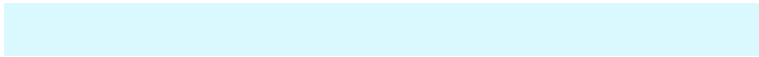
68.5946, 71.3825, 43.3147

Sweetspot

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



56.9663, 71.3851, 105.3840



80.4299, 89.6112, 107.6653



50.3721, 78.4284, 40.8147



16.8226, 18.8938, 23.0102



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.



56.9663, 71.3851, 105.3840



52.3797, 67.3095, 104.8391



42.3454, 42.1434, 100.5104



18.2929, 19.9573, 23.1380



22.1160, 29.1417, 53.8939



2.2167, 2.9641, 5.2686

Inverse Universe

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



64.2194, 43.2253, 83.5587



60.6600, 37.0374, 79.5023



68.6266, 69.5858, 30.9356



18.6605, 18.2475, 22.0952



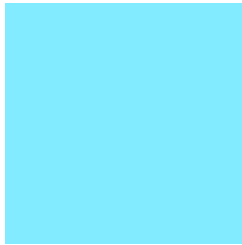
27.9514, 13.6698, 34.7239



2.7535, 1.3438, 3.5493

Previews

White Background



This preview shows how the XYZ color 56.9643, 71.3825, 105.3836 looks on a white background.

Color Contrast Check

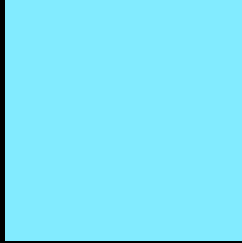
Large Text (above 18pt) WCAG AA × Fail

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 56.9643, 71.3825, 105.3836 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 56.9643, 71.3825, 105.3836

Background



This preview shows how black text looks on a background with the XYZ color 56.9643, 71.3825, 105.3836.

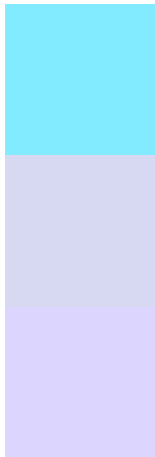


This preview shows how white text looks on a background with the XYZ color 56.9643, 71.3825,

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

56.9643, 71.3825, 105.3836

Protanopia

69.0148, 70.5438, 94.7729

Deuteranopia

71.6118, 70.5288, 104.4468



Tritanopia

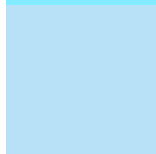
56.8036, 71.3182, 104.5379

Trichromacy



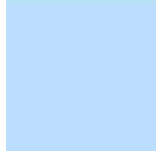
Original Color

56.9643, 71.3825, 105.3836



Protanomaly

63.2113, 70.2171, 98.2173



Deuteranomaly

64.6648, 70.0273, 104.7162



Tritanomaly

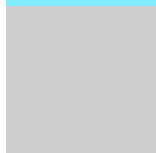
56.8036, 71.3182, 104.5379

Monochromacy



Original Color

56.9643, 71.3825, 105.3836



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 56.9643, 71.3825, 105.3836 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(130, 235, 255)` looks like.

```
.text, #text, p{  
    color:rgb(130, 235, 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(130, 235, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 235, 255) }
```

Border

The CSS property to change the border of an element to XYZ 56.9643, 71.3825, 105.3836 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(130, 235, 255) }
```


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

```
.border{ border-color:rgb(130, 235, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 235, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 235, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 235, 255);  
box-shadow:4px 4px 4px 4px rgb(130, 235,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 56.9643, 71.3825, 105.3836 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 235, 255) }
```

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

```
.background{ background-color: rgb(130,  
235, 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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