

Converting Colors

XYZ(51.8139, 69.5822,
105.3076)

Have a look what the booklet for
XYZ(51.8139, 69.5822, 105.3076)
contains.

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Color

**XYZ(51.8139, 69.5822,
105.3076)**

Conversions

Conversions Part 1

Format	Color
Hex	52EDFF
RGB	82, 237, 255
RGB Percent	32%, 93%, 100%
CMY	0.6784, 0.0706, 0.0000
CMYK	0.68, 0.07, 0.00, 0.00
HSL	186°, 100%, 66%
HSV	186°, 68%, 100%
XYZ	51.8139, 69.5822, 105.3076
YIQ	192.7070, -98.1580, -27.2620

Conversions

Conversions Part 2

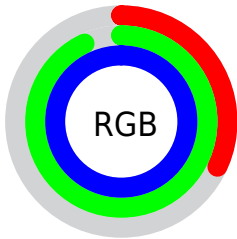
Format	Color
R _Y B	82, 164, 255
Decimal	5434879
CIE Lab	86.79, -34.62, -20.56
CIE LCh	87, 40.262, 210.707
Yxy	69.5822, 0.2286, 0.3069
Android (android.graphics.Color)	4283624959 (0xFF52EDFF)
YUV	192.7070, 30.7104, -97.0900
Hunter-Lab	83.4159, -35.1024, -16.4589

Details

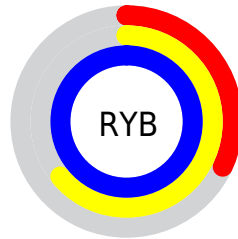
The XYZ color **51.8139, 69.5822, 105.3076** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **47.3213, 30.9852, 11.4715**, and the grayscale version is **50.3860, 53.0100, 57.7279**.

A 20% lighter version of the original color is **66.5725, 85.3193, 107.5673**, and **26.7169, 37.1250, 59.1838** is the 20% darker color. If you saturate the color by 10%, you get **49.2323, 67.1210, 104.9686**, and if you desaturate by 10%, it is **55.2340, 72.4956, 105.6896**.

Distribution



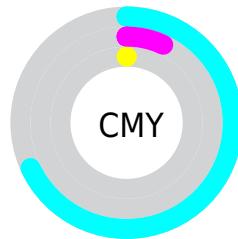
- Red (32%)
- Green (93%)
- Blue (100%)



- Red (32%)
- Yellow (64%)
- Blue (100%)



- Cyan (68%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (68%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.8139, 69.5822, 105.3076 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 51.8139, 69.5822, 105.3076 by changing the saturation by 10% instead.

51.8139, 69.5822,
105.3076

51.8139, 69.5822,
105.3076

384.0535,
459.0817, 598.4700

37.0804, 51.1860,
80.0990

92.0326, 118.6128,
170.5474

25.4437, 36.3567,
59.2732

118.2485,
150.0159, 211.4156

16.5384, 24.7098,
42.4116

149.0226,
186.5235, 258.3408

9.9992, 15.8610,
29.0957

184.7203,
228.5199, 311.7415

5.4607, 9.4258,
18.9071

225.7068,
276.3895, 372.0362

2.5575, 5.0200,
11.4270

272.3477,

0.9244, 2.2590,

330.5167, 439.6435

6.2370

325.0081,
391.2860, 514.9819

■ 0.0000, 0.7519,
2.9186

■ 0.0000, 0.0000,
1.0532

■ 51.8139, 69.5822,
105.3076

■ 51.8139, 69.5822,
105.3076

■ 49.2323, 67.1210,
104.9686

■ 55.2340, 72.4956,
105.6896

■ 47.3870, 65.0547,
104.6670

■ 59.5689, 75.8959,
106.1175

■ 46.1507, 63.3190,
104.3971

■ 64.8922, 79.8229,
106.5949

■ 45.9233, 62.9666,
104.3411

■ 71.2690, 84.3099,
107.1249

■ 78.7582, 89.3877,
107.7103

■ 87.4149, 95.0845,
108.3536

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.



49.6962, 69.5822, 76.4022



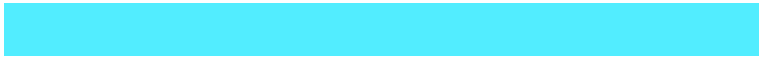
51.8139, 69.5822, 105.3076



57.7009, 69.5822, 130.3069

Triad

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



51.8139, 69.5822, 105.3076



83.1388, 69.5822, 103.9389



65.9135, 69.5822, 34.9726

Complementary

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



51.8139, 69.5822, 105.3076



47.3213, 30.9852, 11.4715

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.



75.3551, 69.5822, 39.0638



51.8139, 69.5822, 105.3076



85.8515, 69.5822, 75.1277

Square

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



51.8139, 69.5822, 105.3076



75.7763, 69.5822, 129.3942



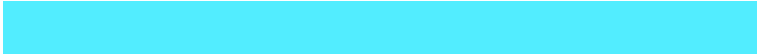
82.8799, 69.5822, 52.3364



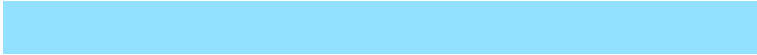
57.3497, 69.5822, 39.4750

Rectangle

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



51.8139, 69.5822, 105.3076



63.2669, 69.5822, 138.9985



82.8799, 69.5822, 52.3364



69.0901, 69.5822, 35.3766

Sweetspot

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



51.8158, 69.5847, 105.3079



77.0425, 88.2387, 107.5789



41.5076, 74.2211, 24.0207



16.0299, 18.5761, 22.9906



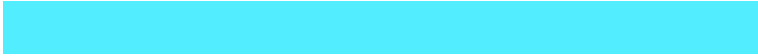
0.0000, 0.0000, 0.0000



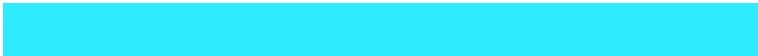
20.3446, 21.4041, 23.3091

Same Dimension

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



51.8158, 69.5847, 105.3079



48.5743, 66.4275, 104.8694



32.6306, 31.2142, 98.9129



18.3839, 20.1394, 23.1683



24.0613, 33.0322, 54.5423



2.3873, 3.3052, 5.3254

Inverse Universe

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



59.5447, 33.4109, 83.4340



57.0967, 29.3234, 80.1254



60.2812, 56.9049, 15.7915



18.7064, 18.2659, 22.3372



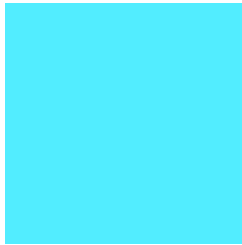
28.9332, 14.0626, 39.8944



2.8396, 1.3782, 4.0027

Previews

White Background



This preview shows how the XYZ color 51.8139, 69.5822, 105.3076 looks on a white background.

Color Contrast Check

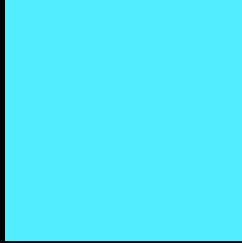
Large Text (above 18pt) WCAG AA × Fail

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 51.8139, 69.5822, 105.3076 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

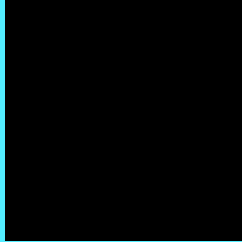
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.8139, 69.5822, 105.3076

Background



This preview shows how black text looks on a background with the XYZ color 51.8139, 69.5822, 105.3076.

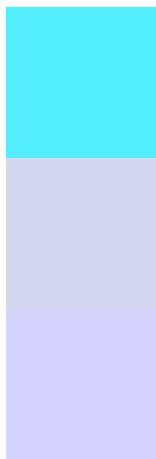


This preview shows how white text looks on a background with the XYZ color 51.8139, 69.5822,

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

51.8139, 69.5822, 105.3076

Protanopia

66.9261, 68.3815, 92.1096

Deuteranopia

69.3250, 68.6031, 104.1956



Tritanopia

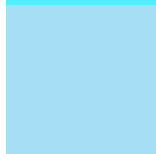
52.2619, 69.3846, 105.2458

Trichromacy



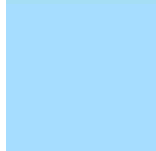
Original Color

51.8139, 69.5822, 105.3076



Protanomaly

58.1198, 66.8345, 96.2233



Deuteranomaly

59.6323, 67.0399, 104.4048



Tritanomaly

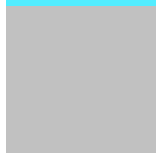
51.9759, 69.2371, 105.2324

Monochromacy



Original Color

51.8139, 69.5822, 105.3076



Achromatopsia

50.6879, 53.3276, 58.0738



Achromatomaly

48.3320, 57.3311, 73.4844

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.8139, 69.5822, 105.3076 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(82, 237, 255)` looks like.

```
.text, #text, p{  
    color:rgb(82, 237, 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(82, 237, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 237, 255) }
```

Border

The CSS property to change the border of an element to XYZ 51.8139, 69.5822, 105.3076 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(82, 237, 255) }
```


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

```
.border{ border-color:rgb(82, 237, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 237, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 237, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 237, 255);  
box-shadow:4px 4px 4px 4px rgb(82, 237,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 51.8139, 69.5822, 105.3076 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 237, 255) }
```

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

```
.background{ background-color: rgb(82, 237,  
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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