

Converting Colors

XYZ(63.6544, 72.2948,
145.1020)

Have a look what the booklet for
XYZ(63.6544, 72.2948, 145.1020)
contains.

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Color

**XYZ(55.9860, 69.1971,
105.0133)**

Conversions

Conversions Part 1

Format	Color
Hex	83E7FF
RGB	131, 231, 255
RGB Percent	51%, 91%, 100%
CMY	0.4863, 0.0941, 0.0000
CMYK	0.49, 0.09, 0.00, 0.00
HSL	192°, 100%, 76%
HSV	192°, 49%, 100%
XYZ	55.9860, 69.1971, 105.0133
YIQ	203.8360, -67.3040, -13.7360

Conversions

Conversions Part 2

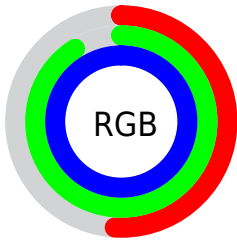
Format	Color
R_{YB}	131, 186, 255
Decimal	8644607
CIE Lab	86.60, -23.12, -20.70
CIE LCh	87, 31.032, 221.847
Yxy	69.1971, 0.2432, 0.3006
Android (android.graphics.Color)	4286834687 (0xFF83E7FF)
YUV	203.8360, 25.2239, -63.8772
Hunter-Lab	83.1848, -25.4372, -16.6189

Details

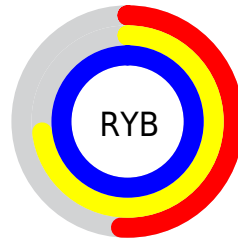
The XYZ color **55.9860, 69.1971, 105.0133** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **57.0589, 46.3423, 27.4125**, and the grayscale version is **57.1691, 60.1463, 65.4994**.

A 20% lighter version of the original color is **75.0452, 89.6871, 107.9638**, and **27.9773, 36.0024, 58.9007** is the 20% darker color. If you saturate the color by 10%, you get **51.1503, 64.6841, 104.3971**, and if you desaturate by 10%, it is **61.8362, 74.2941, 105.6888**.

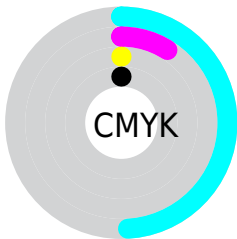
Distribution



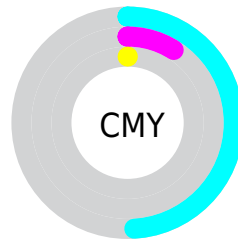
- Red (51%)
- Green (91%)
- Blue (100%)



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



- Cyan (49%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)



- Cyan (49%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 55.9860, 69.1971, 105.0133 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 55.9860, 69.1971, 105.0133 by changing the saturation by 10% instead.

55.9860, 69.1971,
105.0133

55.9860, 69.1971,
105.0133

399.7146,
457.7258, 597.5324

40.4287, 50.8722,
79.8538

98.1240, 118.0630,
170.1414

28.0586, 36.1069,
59.0726

125.4354,
149.3729, 210.9472

18.5105, 24.5168,
42.2512

157.3956,
185.7799, 257.8054

11.4190, 15.7174,
28.9710

194.3698,
227.6685, 311.1346

6.4188, 9.3244,
18.8135

236.7234,
275.4230, 371.3533

3.1444, 4.9534,
11.3601

284.8219,

1.2306, 2.2199,

329.4277, 438.8802

6.1924

339.0305,
390.0672, 514.1337

■ 0.1303, 0.7308,
2.8917

■ 0.0000, 0.0000,
1.0396

■ 55.9860, 69.1971,
105.0133

■ 55.9860, 69.1971,
105.0133

■ 51.1503, 64.6841,
104.3971

■ 61.8362, 74.2941,
105.6888

■ 47.2505, 60.7093,
103.8354

■ 68.7607, 80.0016,
106.4255

■ 44.2054, 57.2320,
103.3247

■ 76.8213, 86.3535,
107.2267

■ 41.9167, 54.2010,
102.8603

■ 86.0733, 93.3789,
108.0951

■ 40.2444, 51.5437, 95.0500, 100.0000,
102.4356 108.9000

■ 40.0372, 51.1944,
102.3791

Harmonies

Analogous

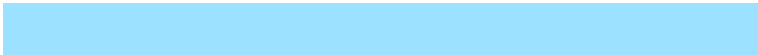
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



53.1290, 69.1971, 83.7809



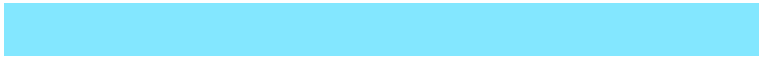
55.9860, 69.1971, 105.0133



61.5499, 69.1971, 119.6506

Triad

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



55.9860, 69.1971, 105.0133



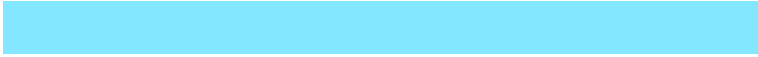
79.8223, 69.1971, 88.3847



62.9681, 69.1971, 42.8188

Complementary

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



55.9860, 69.1971, 105.0133



57.0589, 46.3423, 27.4125

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.



70.1782, 69.1971, 43.5980



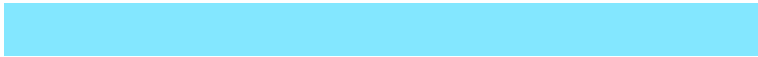
55.9860, 69.1971, 105.0133



80.2716, 69.1971, 67.4932

Square

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



55.9860, 69.1971, 105.0133



75.4455, 69.1971, 108.9088



76.6317, 69.1971, 51.8661



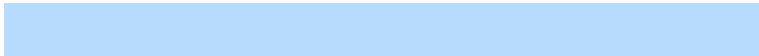
56.9588, 69.1971, 49.4985

Rectangle

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



55.9860, 69.1971, 105.0133



66.2170, 69.1971, 122.3285



76.6317, 69.1971, 51.8661



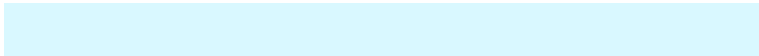
65.3245, 69.1971, 42.2560

Sweetspot

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



55.9879, 69.1996, 105.0137



80.0348, 88.8210, 107.5336



50.9319, 78.6701, 42.9581



16.7266, 18.7019, 22.9782



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.



55.9879, 69.1996, 105.0137



51.4245, 64.9501, 104.4340



41.8365, 40.8968, 100.2966



18.2386, 19.8488, 23.1199



21.0264, 26.9624, 53.5306



2.1202, 2.7712, 5.2364

Inverse Universe

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



63.7814, 43.2639, 80.5931



60.2874, 37.3080, 76.2468



69.8252, 71.8750, 31.6679



18.6331, 18.2365, 21.9509



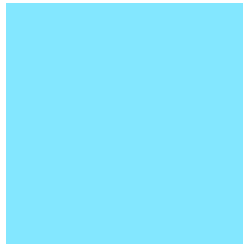
27.4014, 13.4498, 31.8276



2.7048, 1.3243, 3.2929

Previews

White Background



This preview shows how the XYZ color 55.9860, 69.1971, 105.0133 looks on a white background.

Color Contrast Check

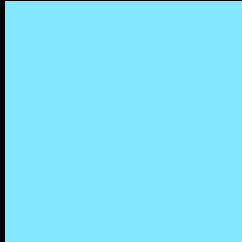
Large Text (above 18pt) WCAG AA × Fail

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 55.9860, 69.1971, 105.0133 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 55.9860, 69.1971, 105.0133

Background



This preview shows how black text looks on a background with the XYZ color 55.9860, 69.1971, 105.0133.

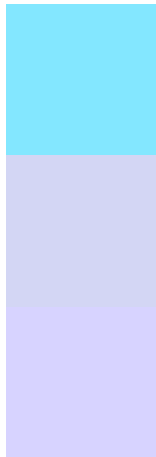


This preview shows how white text looks on a background with the XYZ color 55.9860, 69.1971,

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

55.9860, 69.1971, 105.0133

Protanopia

67.2397, 68.4737, 95.2608

Deuteranopia

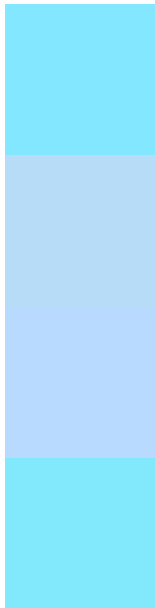
69.3686, 68.2556, 104.1263



Tritanopia

55.3179, 69.3612, 100.9150

Trichromacy



Original Color

55.9860, 69.1971, 105.0133

Protanomaly

61.8279, 67.9088, 98.6560

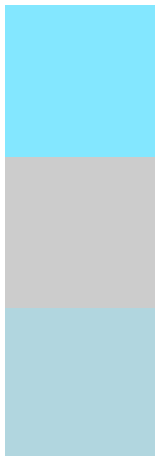
Deuteranomaly

62.8886, 67.5532, 104.3322

Tritanomaly

55.6332, 69.4873, 102.5757

Monochromacy



Original Color

55.9860, 69.1971, 105.0133

Achromatopsia

57.3938, 60.3827, 65.7568

Achromatomaly

55.4973, 62.7680, 79.0024

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.9860, 69.1971, 105.0133 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(131, 231, 255)` looks like.

```
.text, #text, p{  
    color:rgb(131, 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(131, 231, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 231, 255) }
```

Border

The CSS property to change the border of an element to XYZ 55.9860, 69.1971, 105.0133 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(131, 231, 255) }
```


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

```
.border{ border-color:rgb(131, 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(131, 231, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 231, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 231, 255);  
box-shadow:4px 4px 4px 4px rgb(131, 231,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 55.9860, 69.1971, 105.0133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 231, 255) }
```

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

```
.background{ background-color: rgb(131,  
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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