

Converting Colors

XYZ(55.5041, 69.0405,
100.8433)

Have a look what the booklet for
XYZ(55.5041, 69.0405, 100.8433)
contains.

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Color

**XYZ(55.5041, 69.0405,
100.8433)**

Conversions

Conversions Part 1

Format	Color
Hex	85E7FA
RGB	133, 231, 250
RGB Percent	52%, 91%, 98%
CMY	0.4784, 0.0941, 0.0196
CMYK	0.47, 0.08, 0.00, 0.02
HSL	190°, 92%, 75%
HSV	190°, 47%, 98%
XYZ	55.5041, 69.0405, 100.8433
YIQ	203.8640, -64.5070, -14.8670

Conversions

Conversions Part 2

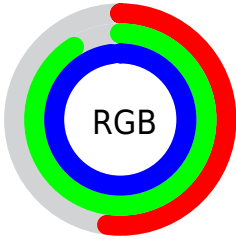
Format	Color
RYB	133, 186, 250
Decimal	8775674
CIELab	86.52, -23.99, -18.19
CIELCh	87, 30.103, 217.165
Yxy	69.0405, 0.2463, 0.3063
Android (android.graphics.Color)	4286965754 (0xFF85E7FA)
YUV	203.8640, 22.7450, -62.1477
Hunter-Lab	83.0906, -26.1715, -13.7941

Details

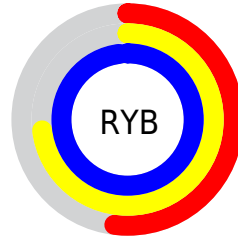
The XYZ color **55.5041, 69.0405, 100.8433** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **54.8876, 44.4753, 27.8839**, and the grayscale version is **57.2006, 60.1795, 65.5355**.

A 20% lighter version of the original color is **75.5482, 89.9465, 107.9873**, and **27.7401, 35.9327, 56.5126** is the 20% darker color. If you saturate the color by 10%, you get **50.8944, 64.9984, 100.3073**, and if you desaturate by 10%, it is **61.0836, 73.6248, 101.4353**.

Distribution



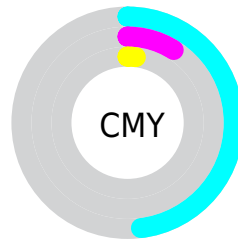
- Red (52%)
- Green (91%)
- Blue (98%)



- Red (52%)
- Yellow (73%)
- Blue (98%)



- Cyan (47%)
- Magenta (8%)
- Yellow (0%)
- Black (2%)



- Cyan (48%)
- Magenta (9%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 55.5041, 69.0405, 100.8433 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 55.5041, 69.0405, 100.8433 by changing the saturation by 10% instead.

55.5041, 69.0405,
100.8433

55.5041, 69.0405,
100.8433

397.9254,
457.1738, 584.1628

40.0409, 50.7447,
76.3842

97.4232, 117.8394,
164.3776

27.7548, 36.0055,
56.2391

124.6098,
149.1113, 204.2898

18.2804, 24.4384,
39.9893

156.4349,
185.4774, 250.1902

11.2524, 15.6592,
27.2165

193.2638,
227.3220, 302.4972

6.3054, 9.2833,
17.5020

235.4620,
275.0295, 361.6294

3.0741, 4.9264,
10.4273

283.3947,

1.1931, 2.2042,

328.9844, 428.0054

5.5739

337.4274,
389.5711, 502.0437

■ 0.1009, 0.7223,
2.5232

■ 0.0000, 0.0000,
0.8524

■ 55.5041, 69.0405,
100.8433

■ 55.5041, 69.0405,
100.8433

■ 50.8944, 64.9984,
100.3073

■ 61.0836, 73.6248,
101.4353

■ 47.1802, 61.4553,
99.8192

■ 67.6878, 78.7751,
102.0813

■ 44.2867, 58.3738,
99.3769

■ 75.3748, 84.5233,
102.7857

■ 42.1237, 55.7073,
98.9762

■ 84.1965, 90.8964,
103.5509

■ 40.5771, 53.3966,
98.6117

■ 93.0869, 97.3450,
104.3270

■ 40.1559, 52.7029,
98.5000

■ 94.2556, 99.6822,
104.7165

Harmonies

Analogous

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



53.1946, 69.0405, 80.0661



55.5041, 69.0405, 100.8433



60.5532, 69.0405, 116.4147

Triad

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



55.5041, 69.0405, 100.8433



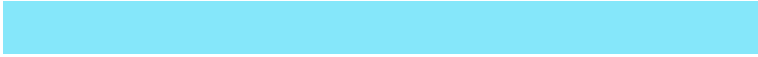
78.7721, 69.0405, 91.0843



63.9625, 69.0405, 43.1439

Complementary

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



55.5041, 69.0405, 100.8433



54.8876, 44.4753, 27.8839

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.



70.9638, 69.0405, 45.0427



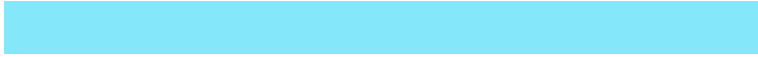
55.5041, 69.0405, 100.8433



79.8458, 69.0405, 70.4842

Square

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



55.5041, 69.0405, 100.8433



74.0601, 69.0405, 110.1198



76.8979, 69.0405, 54.2772



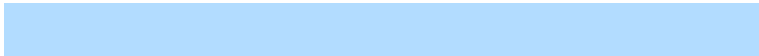
57.8485, 69.0405, 48.5338

Rectangle

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



55.5041, 69.0405, 100.8433



64.9599, 69.0405, 120.4259



76.8979, 69.0405, 54.2772



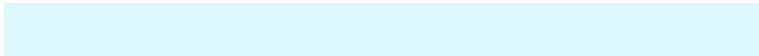
66.2864, 69.0405, 42.9694

Sweetspot

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



55.5062, 69.0431, 100.8449



81.2922, 90.2036, 107.7342



49.4096, 75.5791, 41.0730



16.9917, 19.0092, 23.0235



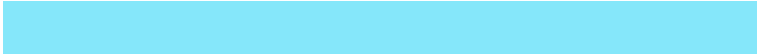
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



55.5062, 69.0431, 100.8449



53.5614, 68.2855, 104.9652



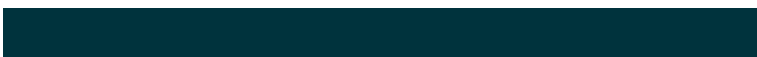
42.0564, 42.1435, 96.3617



17.5118, 19.1004, 22.1491



21.3897, 28.1350, 52.2768



2.0430, 2.7297, 4.8624

Inverse Universe

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



62.2375, 42.8705, 80.5987



61.5951, 38.7081, 80.4292



66.4723, 67.6447, 31.7455



17.8649, 17.4733, 21.1441



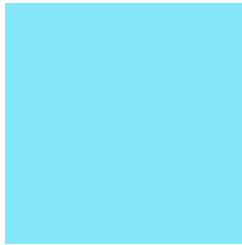
27.0886, 13.2511, 33.5044



2.5401, 1.2398, 3.2678

Previews

White Background



This preview shows how the XYZ color 55.5041, 69.0405, 100.8433 looks on a white background.

Color Contrast Check

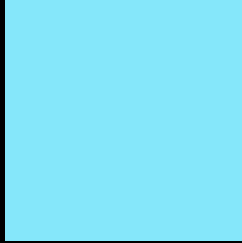
Large Text (above 18pt) WCAG AA × Fail

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 55.5041, 69.0405, 100.8433 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 55.5041, 69.0405, 100.8433

Background



This preview shows how black text looks on a background with the XYZ color 55.5041, 69.0405, 100.8433.

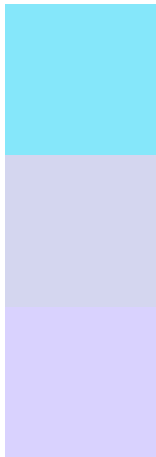


This preview shows how white text looks on a background with the XYZ color 55.5041, 69.0405,

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

55.5041, 69.0405, 100.8433

Protanopia

66.7779, 68.3222, 91.3293

Deuteranopia

69.5513, 68.0007, 103.2256



Tritanopia

55.5041, 69.0405, 100.8433

Trichromacy



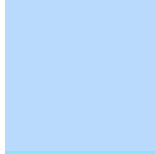
Original Color

55.5041, 69.0405, 100.8433



Protanomaly

61.2993, 67.7247, 94.6354



Deuteranomaly

63.0507, 67.6738, 102.6677



Tritanomaly

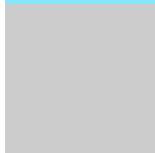
55.5041, 69.0405, 100.8433

Monochromacy



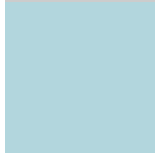
Original Color

55.5041, 69.0405, 100.8433



Achromatopsia

57.3938, 60.3827, 65.7568



Achromatomaly

55.4578, 62.7786, 77.6012

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.5041, 69.0405, 100.8433 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, 250)` looks like.

```
.text, #text, p{  
    color:rgb(133, 231, 250)  
}
```

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, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 231, 250) }
```

Border

The CSS property to change the border of an element to XYZ 55.5041, 69.0405, 100.8433 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, 250) }
```


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

```
.border{ border-color:rgb(133, 231, 250) }
```

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, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 231, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 231, 250);  
box-shadow:4px 4px 4px 4px rgb(133, 231,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 55.5041, 69.0405, 100.8433 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, 250) }
```

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

```
.background{ background-color: rgb(133,  
231, 250) }
```

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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