

Converting Colors

XYZ(56.0067, 70.1993,
100.9596)

Have a look what the booklet for
XYZ(56.0067, 70.1993, 100.9596)
contains.

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Color

**XYZ(55.9100, 70.0855,
101.0236)**

Conversions

Conversions Part 1

Format	Color
Hex	84E9FA
RGB	132, 233, 250
RGB Percent	52%, 91%, 98%
CMY	0.4823, 0.0863, 0.0196
CMYK	0.47, 0.07, 0.00, 0.02
HSL	189°, 92%, 75%
HSV	189°, 47%, 98%
XYZ	55.9100, 70.0855, 101.0236
YIQ	204.7390, -65.6530, -16.1250

Conversions

Conversions Part 2

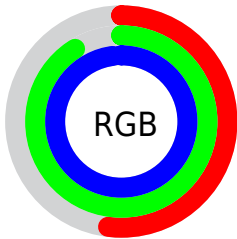
Format	Color
R_{YB}	132, 186, 250
Decimal	8710650
CIE _{Lab}	87.04, -25.19, -17.41
CIE _{LCh}	87, 30.624, 214.656
Yxy	70.0855, 0.2463, 0.3087
Android (android.graphics.Color)	4286900730 (0xFF84E9FA)
YUV	204.7390, 22.3137, -63.7921
Hunter-Lab	83.7171, -27.2946, -12.9448

Details

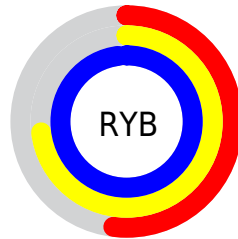
The XYZ color **55.9100, 70.0855, 101.0236** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **54.3381, 43.4864, 27.3616**, and the grayscale version is **57.7572, 60.7650, 66.1731**.

A 20% lighter version of the original color is **75.2959, 89.8164, 107.9755**, and **28.0583, 36.6789, 56.6398** is the 20% darker color. If you saturate the color by 10%, you get **51.4504, 66.2900, 100.5273**, and if you desaturate by 10%, it is **61.3313, 74.4109, 101.5740**.

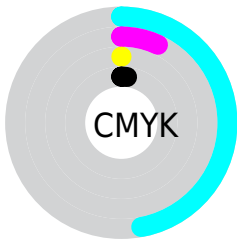
Distribution



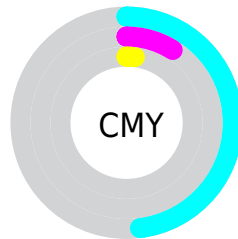
- Red (52%)
- Green (91%)
- Blue (98%)



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



- Cyan (47%)
- Magenta (7%)
- Yellow (0%)
- Black (2%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 55.9100, 70.0855, 101.0236 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 55.9100, 70.0855, 101.0236 by changing the saturation by 10% instead.

55.9100, 70.0855,
101.0236

55.9100, 70.0855,
101.0236

399.4328,
460.8502, 584.7442

40.3675, 51.5962,
76.5340

98.0135, 119.3307,
164.6273

28.0107, 36.6833,
56.3612

125.3053,
150.8554, 204.5784

18.4742, 24.9624,
40.0867

157.2442,
187.4940, 250.5205

11.3927, 16.0491,
27.2918

194.1955,
229.6310, 302.8721

6.4009, 9.5589,
17.5581

236.5247,
277.6507, 362.0517

3.1333, 5.1075,
10.4671

284.5970,

1.2246, 2.3105,

331.9375, 428.4779

5.6001

338.7780,
392.8759, 502.5692

■ 0.1257, 0.7792,
2.5387

■ 0.0000, 0.0000,
0.8605

■ 55.9100, 70.0855,
101.0236

■ 55.9100, 70.0855,
101.0236

■ 51.4504, 66.2900,
100.5273

■ 61.3313, 74.4109,
101.5740

■ 47.8780, 62.9809,
100.0769

■ 67.7693, 79.2899,
102.1764

■ 45.1175, 60.1209,
99.6703

■ 75.2823, 84.7543,
102.8352

■ 43.0782, 57.6631,
99.3034

■ 83.9224, 90.8312,
103.5528

■ 41.6429, 55.5468,
98.9705

■ 92.9961, 97.1632,
104.2967

■ 41.2991, 54.9892,
98.8811

■ 94.1319, 99.4349,
104.6753

■ 94.2556, 99.6822,
104.7166

Harmonies

Analogous

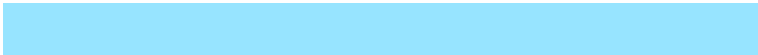
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



53.8023, 70.0855, 79.5594



55.9100, 70.0855, 101.0236



60.8881, 70.0855, 117.8215

Triad

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



55.9100, 70.0855, 101.0236



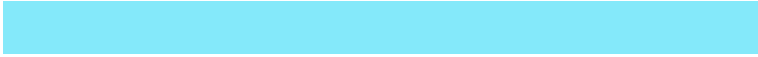
79.8597, 70.0855, 94.4812



65.5020, 70.0855, 43.3485

Complementary

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



55.9100, 70.0855, 101.0236



54.3381, 43.4864, 27.3616

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.



72.6885, 70.0855, 45.9135



55.9100, 70.0855, 101.0236



81.3138, 70.0855, 73.1527

Square

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



55.9100, 70.0855, 101.0236



74.7611, 70.0855, 113.5942



78.6041, 70.0855, 55.9982



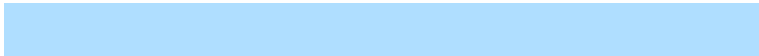
59.0817, 70.0855, 48.2344

Rectangle

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



55.9100, 70.0855, 101.0236



65.3389, 70.0855, 122.7331



78.6041, 70.0855, 55.9982



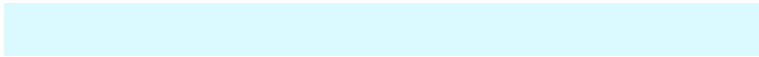
67.9059, 70.0855, 43.3769

Sweetspot

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



55.9122, 70.0882, 101.0253



81.4950, 90.6092, 107.8018



49.0273, 75.4080, 39.8797



17.0416, 19.1090, 23.0402



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.



55.9122, 70.0882, 101.0253



53.8774, 69.3934, 105.1624



42.1549, 42.5737, 96.4395



17.5402, 19.1572, 22.1585



21.9882, 29.3319, 52.4763



2.0929, 2.8295, 4.8790

Inverse Universe

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



62.3855, 42.7118, 82.0498



61.6384, 38.2805, 82.0286



65.8392, 66.4884, 31.1953



17.8792, 17.4790, 21.2196



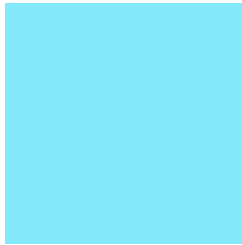
27.3906, 13.3720, 35.0952



2.5653, 1.2499, 3.4004

Previews

White Background



This preview shows how the XYZ color 55.9100, 70.0855, 101.0236 looks on a white background.

Color Contrast Check

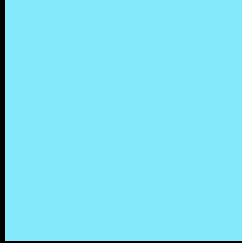
Large Text (above 18pt) WCAG AA × Fail

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 55.9100, 70.0855, 101.0236 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 55.9100, 70.0855, 101.0236

Background



This preview shows how black text looks on a background with the XYZ color 55.9100, 70.0855, 101.0236.

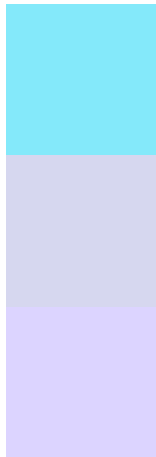


This preview shows how white text looks on a background with the XYZ color 55.9100, 70.0855,

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

55.9100, 70.0855, 101.0236

Protanopia

67.6120, 69.1290, 91.4411

Deuteranopia

71.1087, 69.5226, 104.2791



Tritanopia

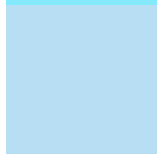
56.2253, 70.2116, 102.6843

Trichromacy



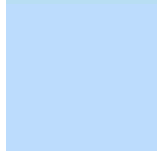
Original Color

55.9100, 70.0855, 101.0236



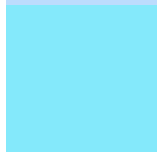
Protanomaly

62.0661, 68.9040, 94.8226



Deuteranomaly

64.0619, 68.9696, 102.8646



Tritanomaly

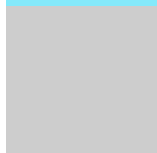
56.0672, 70.1484, 101.8517

Monochromacy



Original Color

55.9100, 70.0855, 101.0236



Achromatopsia

58.0276, 61.0496, 66.4830



Achromatomaly

55.7117, 63.2863, 77.6858

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.9100, 70.0855, 101.0236 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(132, 233, 250)` looks like.

```
.text, #text, p{  
    color:rgb(132, 233, 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(132, 233, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 233, 250) }
```

Border

The CSS property to change the border of an element to XYZ 55.9100, 70.0855, 101.0236 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(132, 233, 250) }
```


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

```
.border{ border-color:rgb(132, 233, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 233, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 233, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 233, 250);  
box-shadow:4px 4px 4px 4px rgb(132, 233,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 55.9100, 70.0855, 101.0236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 233, 250) }
```

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

```
.background{ background-color: rgb(132,  
233, 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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