

Converting Colors

XYZ(52.6833, 55.5430, 84.7058)

Have a look what the booklet for
XYZ(52.6833, 55.5430, 84.7058)
contains.

XYZ(52.5813, 55.3853, 85.0099)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(52.5813, 55.3853,
85.0099)**

Conversions

Conversions Part 1

Format	Color
Hex	AFC6E9
RGB	175, 198, 233
RGB Percent	69%, 78%, 91%
CMY	0.3137, 0.2235, 0.0863
CMYK	0.25, 0.15, 0.00, 0.09
HSL	216°, 57%, 80%
HSV	216°, 25%, 91%
XYZ	52.5813, 55.3853, 85.0099
YIQ	195.1130, -24.9430, 6.0090

Conversions

Conversions Part 2

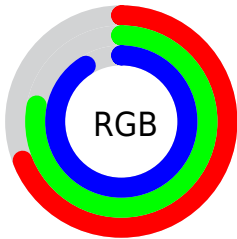
Format	Color
RYB	175, 191, 233
Decimal	11519721
CIELab	79.26, -0.16, -19.92
CIElCh	79, 19.917, 269.545
Yxy	55.3853, 0.2725, 0.2870
Android (android.graphics.Color)	4289709801 (0xFFAFC6E9)
YUV	195.1130, 18.6783, -17.6391
Hunter-Lab	74.4213, -4.1207, -15.6308

Details

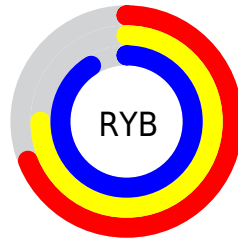
The XYZ color **52.5813, 55.3853, 85.0099** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **64.3896, 66.5125, 50.0035**, and the grayscale version is **51.8433, 54.5432, 59.3976**.

A 20% lighter version of the original color is **86.7650, 95.7289, 108.5123**, and **25.7942, 27.1858, 45.4829** is the 20% darker color. If you saturate the color by 10%, you get **44.7304, 46.7878, 83.7651**, and if you desaturate by 10%, it is **61.6363, 65.0491, 86.3989**.

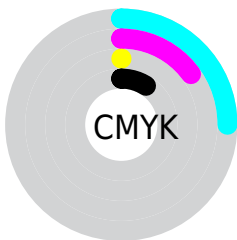
Distribution



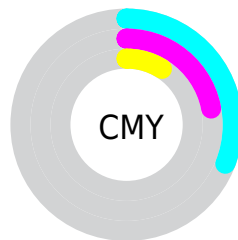
- Red (69%)
- Green (78%)
- Blue (91%)



- Red (69%)
- Yellow (75%)
- Blue (91%)



- Cyan (25%)
- Magenta (15%)
- Yellow (0%)
- Black (9%)



- Cyan (31%)
- Magenta (22%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 52.5813, 55.3853, 85.0099 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 52.5813, 55.3853, 85.0099 by changing the saturation by 10% instead.

■ 52.5813, 55.3853,
85.0099

■ 52.5813, 55.3853,
85.0099

386.9639,
407.3708, 531.8063

■ 37.6948, 39.7103,
63.2994

■ 93.1571, 98.1053,
142.2613

■ 25.9220, 27.3127,
45.6409

119.5771,
125.9190, 178.6392

■ 16.8977, 17.8082,
31.6159

150.5723,
158.5477, 220.7434

■ 10.2564, 10.8124,
20.8059

186.5081,
196.3759, 268.9923

■ 5.6329, 5.9408,
12.7923

227.7498,
239.7879, 323.8045

■ 2.6617, 2.8091,
7.1567

274.6627,

■ 0.9775, 1.0329,

289.1682, 385.5985

3.4803

327.6123,
344.9010, 454.7929

■ 0.0000, 0.0000,
1.3448

■ 0.0000, 0.0000,
0.0981

■ 52.5813, 55.3853,
85.0099

■ 52.5813, 55.3853,
85.0099

■ 44.7304, 46.7878,
83.7651

■ 61.6363, 65.0491,
86.3989

■ 38.0240, 39.2098,
82.6559

■ 71.9410, 75.8102,
87.9329

■ 32.4050, 32.6108,
81.6783

■ 83.5448, 87.7066,
89.6175

■ 27.8087, 26.9443,
80.8268

■ 91.4672, 98.1813,
91.2218

■ 24.1632, 22.1594,
80.0954

■ 91.7082, 98.6633,
91.3021

■ 21.3855, 18.1988,
79.4773

■ 19.3759, 14.9957,
78.9650

■ 18.5703, 13.6076,
78.7395

Harmonies

Analogous

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



48.8542, 55.3853, 81.2619



52.5813, 55.3853, 85.0099



56.5104, 55.3853, 81.4745

Triad

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



52.5813, 55.3853, 85.0099



59.5912, 55.3853, 50.1213



46.3111, 55.3853, 49.8552

Complementary

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



52.5813, 55.3853, 85.0099



64.3896, 66.5125, 50.0035

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.



48.9544, 55.3853, 43.1625



52.5813, 55.3853, 85.0099



56.6209, 55.3853, 43.3020

Square

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



52.5813, 55.3853, 85.0099



60.6794, 55.3853, 60.4794



52.7029, 55.3853, 40.9205



45.3478, 55.3853, 60.1312

Rectangle

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



52.5813, 55.3853, 85.0099



58.6885, 55.3853, 75.6888



52.7029, 55.3853, 40.9205



47.0258, 55.3853, 47.1614

Sweetspot

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



52.5830, 55.3875, 85.0112



85.4448, 90.0896, 107.4933



58.4274, 72.0361, 71.6684



18.1193, 19.1069, 22.9830



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.



52.5830, 55.3875, 85.0112



59.2858, 62.2658, 103.5015



49.0486, 46.3444, 83.4519



14.7213, 15.5291, 19.1438



10.6501, 7.9472, 44.7156



0.9279, 0.8072, 3.5418

Inverse Universe

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



59.1287, 52.0624, 60.3611



68.7487, 57.8956, 67.7681



68.6196, 77.7375, 51.9472



15.3129, 15.1530, 16.9330



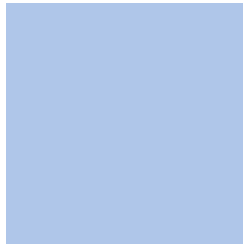
20.2310, 10.2951, 7.0177



1.6348, 0.8269, 0.7945

Previews

White Background



This preview shows how the XYZ color 52.5813, 55.3853, 85.0099 looks on a white background.

Color Contrast Check

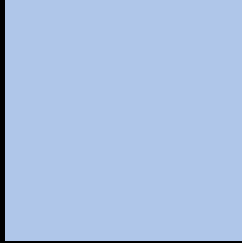
Large Text (above 18pt) WCAG AA × Fail

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 52.5813, 55.3853, 85.0099 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

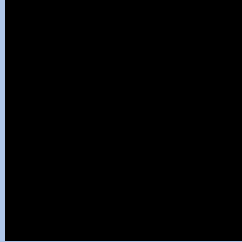
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 52.5813, 55.3853, 85.0099

Background



This preview shows how black text looks on a background with the XYZ color 52.5813, 55.3853, 85.0099.



This preview shows how white text looks on a background with the XYZ color 52.5813, 55.3853,

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

52.5813, 55.3853, 85.0099

Protanopia

54.7019, 55.1719, 83.3675

Deuteranopia

56.4659, 55.3755, 85.5544



Tritanopia

50.4243, 55.5537, 73.7109

Trichromacy



Original Color

52.5813, 55.3853, 85.0099

Protanomaly

53.8478, 55.0468, 84.1309

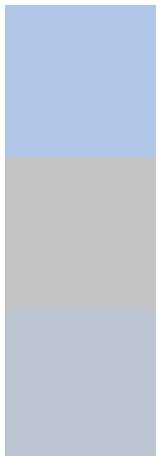
Deuteranomaly

54.8821, 55.2155, 85.6070

Tritanomaly

51.2071, 55.5205, 77.8297

Monochromacy



Original Color

52.5813, 55.3853, 85.0099

Achromatopsia

51.8711, 54.5724, 59.4294

Achromatomaly

51.9876, 54.7747, 68.1541

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.5813, 55.3853, 85.0099 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(175, 198, 233)` looks like.

```
.text, #text, p{  
    color:rgb(175, 198, 233)  
}
```

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(175, 198, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 198, 233) }
```

Border

The CSS property to change the border of an element to XYZ 52.5813, 55.3853, 85.0099 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(175, 198, 233) }
```


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

```
.border{ border-color:rgb(175, 198, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 198, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(175, 198, 233); -webkit-box-shadow:4px 4px 4px 4px rgb(175, 198, 233); box-shadow:4px 4px 4px 4px rgb(175, 198, 233) }
```

Background

The CSS property to change the background color of an element to XYZ 52.5813, 55.3853, 85.0099 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 198, 233) }
```

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

```
.background{ background-color: rgb(175,  
198, 233) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor