

Converting Colors

XYZ(55.6239, 61.4024,
103.5283)

Have a look what the booklet for
XYZ(55.6239, 61.4024, 103.5283)
contains.

XYZ(55.6940, 61.5761, 103.5577)	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(55.6940, 61.5761,
103.5577)**

Conversions

Conversions Part 1

Format	Color
Hex	9ED4FF
RGB	158, 212, 255
RGB Percent	62%, 83%, 100%
CMY	0.3804, 0.1686, 0.0000
CMYK	0.38, 0.17, 0.00, 0.00
HSL	207°, 100%, 81%
HSV	207°, 38%, 100%
XYZ	55.6940, 61.5761, 103.5577
YIQ	200.7560, -45.9870, 1.9250

Conversions

Conversions Part 2

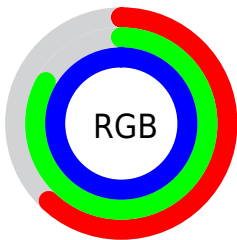
Format	Color
R_{YB}	158, 193, 255
Decimal	10409215
CIE _{Lab}	82.69, -6.98, -26.53
CIE _{LCh}	83, 27.436, 255.271
Yxy	61.5761, 0.2522, 0.2788
Android (android.graphics.Color)	4288599295 (0xFF9ED4FF)
YUV	200.7560, 26.7423, -37.4970
Hunter-Lab	78.4704, -10.6338, -23.3159

Details

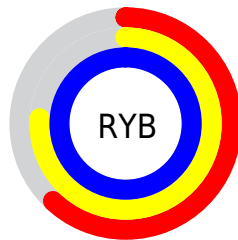
The XYZ color **55.6940, 61.5761, 103.5577** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **68.2986, 65.5021, 41.3930**, and the grayscale version is **55.2280, 58.1042, 63.2754**.

A 20% lighter version of the original color is **81.8343, 93.1871, 108.2815**, and **27.7295, 31.0159, 57.9513** is the 20% darker color. If you saturate the color by 10%, you get **48.4616, 53.7999, 102.4380**, and if you desaturate by 10%, it is **64.1684, 70.2890, 104.7928**.

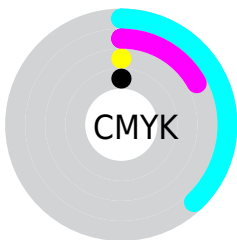
Distribution



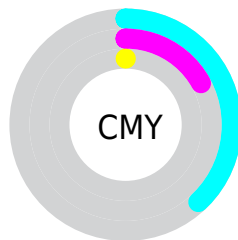
- Red (62%)
- Green (83%)
- Blue (100%)



- Red (62%)
- Yellow (76%)
- Blue (100%)



- Cyan (38%)
- Magenta (17%)
- Yellow (0%)
- Black (0%)



- Cyan (38%)
- Magenta (17%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 55.6940, 61.5761, 103.5577 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 55.6940, 61.5761, 103.5577 by changing the saturation by 10% instead.

■ 55.6940, 61.5761,
103.5577

■ 55.6940, 61.5761,
103.5577

398.6310,
430.3832, 592.8836

■ 40.1937, 44.6903,
78.6416

■ 97.6994, 107.1126,
168.1321

■ 27.8745, 31.2135,
58.0816

■ 124.9353,
136.5321, 208.6276

■ 18.3710, 20.7615,
41.4592

156.8136,
170.8983, 255.1532

■ 11.3180, 12.9498,
28.3556

193.6999,
210.5956, 308.1276

■ 6.3500, 7.3940,
18.3525

235.9594,
256.0083, 367.9693

■ 3.1017, 3.7097,
11.0313

283.9575,

■ 1.2078, 1.5125,

307.5208, 435.0969

5.9735

338.0596,
365.5177, 509.9288

■ 0.1125, 0.2975,
2.7604

■ 0.0000, 0.0000,
0.9736

■ 55.6940, 61.5761,
103.5577

■ 55.6940, 61.5761,
103.5577

■ 48.4616, 53.7999,
102.4380

■ 64.1684, 70.2890,
104.7928

■ 42.3969, 46.9121,
101.4281

■ 73.9427, 79.9700,
106.1463

■ 37.4256, 40.8695,
100.5238

■ 85.0772, 90.6574,
107.6223

■ 33.4613, 35.6213,
99.7197

95.0500, 100.0000,
108.9000

■ 30.4026, 31.1085,
99.0099

■ 28.1136, 27.2541,
98.3866

■ 27.7177, 26.5554,
98.2726

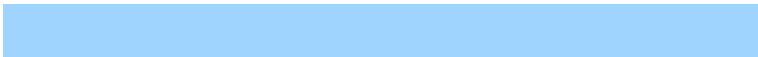
Harmonies

Analogous

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



50.9130, 61.5761, 92.8271



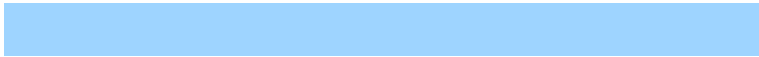
55.6940, 61.5761, 103.5577



61.5598, 61.5761, 103.4517

Triad

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



55.6940, 61.5761, 103.5577



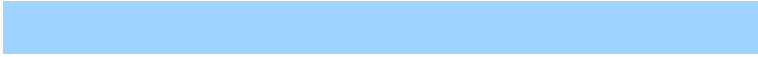
70.1445, 61.5761, 58.8615



50.8440, 61.5761, 46.7138

Complementary

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



55.6940, 61.5761, 103.5577



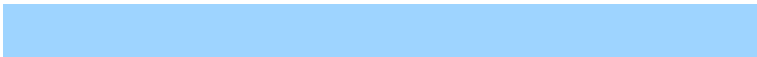
68.2986, 65.5021, 41.3930

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.



55.5940, 61.5761, 40.3734



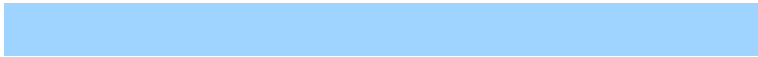
55.6940, 61.5761, 103.5577



66.8630, 61.5761, 46.5435

Square

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



55.6940, 61.5761, 103.5577



70.1758, 61.5761, 75.6344



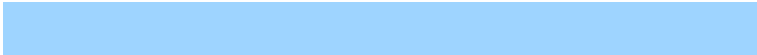
61.4529, 61.5761, 40.3168



48.2430, 61.5761, 59.1335

Rectangle

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



55.6940, 61.5761, 103.5577



65.3119, 61.5761, 97.1630



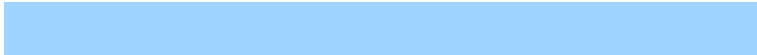
61.4529, 61.5761, 40.3168



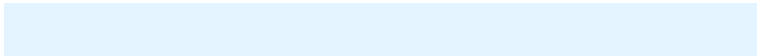
52.2276, 61.5761, 43.9002

Sweetspot

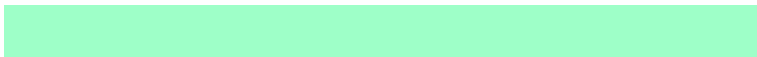
The Sweet Spot groups the original color and five complimentary colors.



55.6958, 61.5784, 103.5581



81.6337, 87.3845, 107.1721



60.2908, 82.9613, 67.5009



17.1444, 18.3897, 22.8959



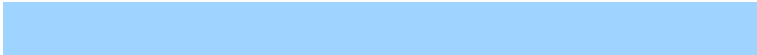
0.0000, 0.0000, 0.0000



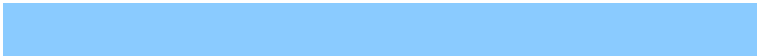
20.3446, 21.4041, 23.3091

Same Dimension

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



55.6958, 61.5784, 103.5581



49.8384, 55.3113, 102.6571



45.5111, 41.2091, 100.1632



17.8417, 19.0551, 22.9876



14.6345, 14.1785, 51.4000



1.5339, 1.5985, 5.0410

Inverse Universe

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



65.3517, 50.4687, 68.5869



61.0654, 43.6630, 61.7114



81.1436, 91.1921, 45.6747



18.4328, 18.1564, 20.8961



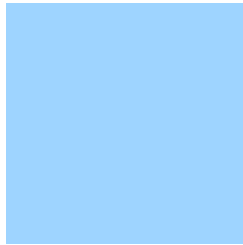
24.1750, 12.1593, 14.8379



2.4088, 1.2059, 1.7344

Previews

White Background



This preview shows how the XYZ color 55.6940, 61.5761, 103.5577 looks on a white background.

Color Contrast Check

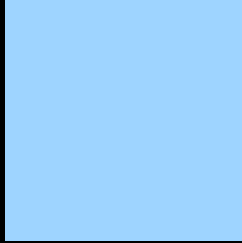
Large Text (above 18pt) WCAG AA × Fail

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 55.6940, 61.5761, 103.5577 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

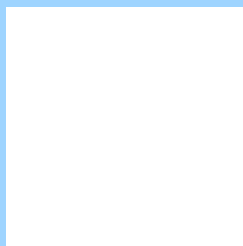
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 55.6940, 61.5761, 103.5577

Background



This preview shows how black text looks on a background with the XYZ color 55.6940, 61.5761, 103.5577.



This preview shows how white text looks on a background with the XYZ color 55.6940, 61.5761,

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

55.6940, 61.5761, 103.5577

Protanopia

60.9605, 61.1535, 98.2134

Deuteranopia

62.4898, 61.1354, 103.1145



Tritanopia

52.2127, 61.6703, 86.2425

Trichromacy



Original Color

55.6940, 61.5761, 103.5577

Protanomaly

58.7753, 61.0527, 99.9534

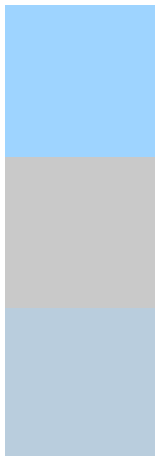
Deuteranomaly

59.6485, 61.0730, 103.2522

Tritanomaly

53.5040, 61.8218, 92.3319

Monochromacy



Original Color

55.6940, 61.5761, 103.5577

Achromatopsia

55.5167, 58.4078, 63.6061

Achromatomaly

54.8901, 59.1974, 76.9398

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.6940, 61.5761, 103.5577 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(158, 212, 255)` looks like.

```
.text, #text, p{  
    color:rgb(158, 212, 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(158, 212, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 212, 255) }
```

Border

The CSS property to change the border of an element to XYZ 55.6940, 61.5761, 103.5577 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(158, 212, 255) }
```


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

```
.border{ border-color:rgb(158, 212, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 212, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 212, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 212, 255);  
box-shadow:4px 4px 4px 4px rgb(158, 212,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 55.6940, 61.5761, 103.5577 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 212, 255) }
```

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

```
.background{ background-color: rgb(158,  
212, 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](#).

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