

Converting Colors

XYZ(71.7879, 68.3275,
189.6940)

Have a look what the booklet for
XYZ(71.7879, 68.3275, 189.6940)
contains.

XYZ(55.5546, 61.8764, 103.6230)	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(55.5546, 61.8764,
103.6230)**

Conversions

Conversions Part 1

Format	Color
Hex	9CD5FF
RGB	156, 213, 255
RGB Percent	61%, 84%, 100%
CMY	0.3882, 0.1647, 0.0000
CMYK	0.39, 0.16, 0.00, 0.00
HSL	205°, 100%, 81%
HSV	205°, 39%, 100%
XYZ	55.5546, 61.8764, 103.6230
YIQ	200.7450, -47.4540, 0.9780

Conversions

Conversions Part 2

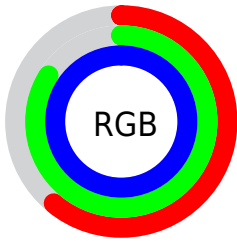
Format	Color
R _Y B	156, 192, 255
Decimal	10278399
CIE Lab	82.85, -8.02, -26.30
CIE LCh	83, 27.493, 253.050
Yxy	61.8764, 0.2513, 0.2799
Android (android.graphics.Color)	4288468479 (0xFF9CD5FF)
YUV	200.7450, 26.7477, -39.2414
Hunter-Lab	78.6616, -11.5924, -23.0412

Details

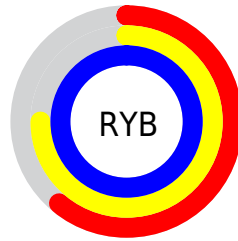
The XYZ color **55.5546, 61.8764, 103.6230** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **67.4355, 64.0492, 40.2631**, and the grayscale version is **55.2219, 58.0977, 63.2684**.

A 20% lighter version of the original color is **81.2506, 92.8861, 108.2542**, and **27.6754, 31.2403, 57.9974** is the 20% darker color. If you saturate the color by 10%, you get **48.4977, 54.3342, 102.5392**, and if you desaturate by 10%, it is **63.8323, 70.3202, 104.8166**.

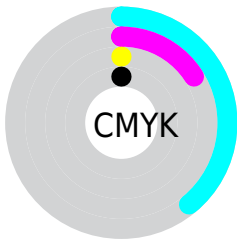
Distribution



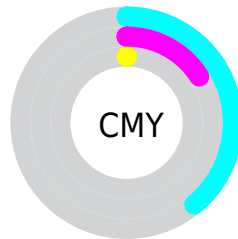
- Red (61%)
- Green (84%)
- Blue (100%)



- Red (61%)
- Yellow (75%)
- Blue (100%)



- Cyan (39%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)



- Cyan (39%)
- Magenta (16%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 55.5546, 61.8764, 103.6230 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 55.5546, 61.8764, 103.6230 by changing the saturation by 10% instead.

■ 55.5546, 61.8764,
103.6230

■ 55.5546, 61.8764,
103.6230

398.1131,
431.4801, 593.0925

■ 40.0815, 44.9328,
78.6960

■ 97.4967, 107.5469,
168.2223

■ 27.7866, 31.4045,
58.1261

■ 124.6963,
137.0426, 208.7317

■ 18.3045, 20.9071,
41.4946

156.5356,
171.4911, 255.2723

■ 11.2698, 13.0561,
28.3832

193.3798,
211.2769, 308.2627

■ 6.3173, 7.4672,
18.3731

235.5943,
256.7843, 368.1214

■ 3.0814, 3.7560,
11.0460

283.5444,

■ 1.1970, 1.5380,

308.3977, 435.2669

5.9832

337.5956,
366.5015, 510.1177

■ 0.1040, 0.3153,
2.7663

■ 0.0000, 0.0000,
0.9766

■ 55.5546, 61.8764,
103.6230

■ 55.5546, 61.8764,
103.6230

■ 48.4977, 54.3342,
102.5392

■ 63.8323, 70.3202,
104.8166

■ 42.5874, 47.6459,
101.5597

■ 73.3886, 79.6963,
106.1227

■ 37.7492, 41.7691,
100.6804

■ 84.2836, 90.0420,
107.5454

■ 33.8962, 36.6536,
99.8961

95.0500, 100.0000,
108.9000

■ 30.9263, 32.2410,
99.2009

■ 28.6927, 28.4496,
98.5868

■ 28.4561, 28.0322,
98.5187

Harmonies

Analogous

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



50.8781, 61.8764, 92.1721



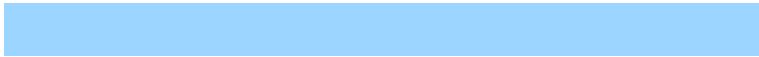
55.5546, 61.8764, 103.6230



61.4201, 61.8764, 104.3900

Triad

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



55.5546, 61.8764, 103.6230



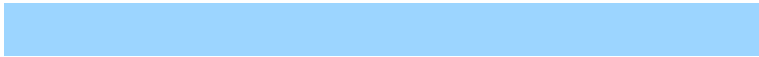
70.6145, 61.8764, 60.2752



51.3771, 61.8764, 46.2444

Complementary

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



55.5546, 61.8764, 103.6230



67.4355, 64.0492, 40.2631

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.



56.2781, 61.8764, 40.3394



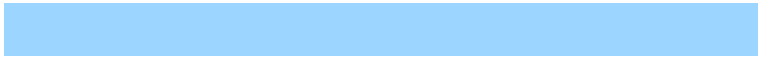
55.5546, 61.8764, 103.6230



67.5298, 61.8764, 47.4759

Square

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



55.5546, 61.8764, 103.6230



70.3882, 61.8764, 77.3326



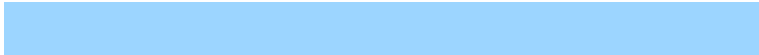
62.1936, 61.8764, 40.7487



48.5795, 61.8764, 58.3072

Rectangle

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



55.5546, 61.8764, 103.6230



65.2419, 61.8764, 98.5650



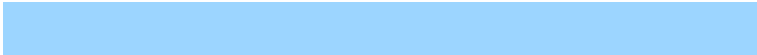
62.1936, 61.8764, 40.7487



52.8185, 61.8764, 43.5718

Sweetspot

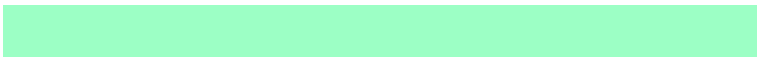
The Sweet Spot groups the original color and five complimentary colors.



55.5564, 61.8787, 103.6234



80.6723, 86.6467, 107.0803



59.5783, 82.6312, 65.7846



16.9581, 18.2535, 22.8794



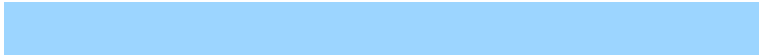
0.0000, 0.0000, 0.0000



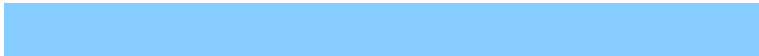
20.3446, 21.4041, 23.3091

Same Dimension

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



55.5564, 61.8787, 103.6234



49.6959, 55.6435, 102.7288



45.0823, 40.9305, 100.1320



17.8716, 19.1147, 22.9975



15.0200, 14.9497, 51.5285



1.5708, 1.6722, 5.0533

Inverse Universe

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



65.1400, 49.8428, 69.1406



60.8428, 42.9970, 62.3176



80.4256, 90.0294, 44.5932



18.4478, 18.1624, 20.9754



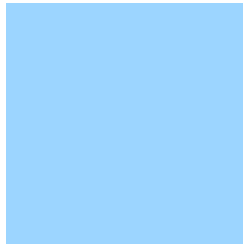
24.3696, 12.2371, 15.8627



2.4275, 1.2134, 1.8324

Previews

White Background



This preview shows how the XYZ color 55.5546, 61.8764, 103.6230 looks on a white background.

Color Contrast Check

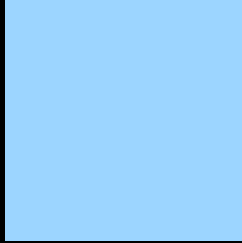
Large Text (above 18pt) WCAG AA × Fail

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 55.5546, 61.8764, 103.6230 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

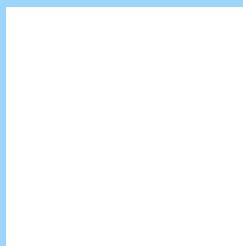
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 55.5546, 61.8764, 103.6230

Background



This preview shows how black text looks on a background with the XYZ color 55.5546, 61.8764, 103.6230.



This preview shows how white text looks on a background with the XYZ color 55.5546, 61.8764,

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

55.5546, 61.8764, 103.6230

Protanopia

61.4567, 61.7610, 98.3045

Deuteranopia

62.7237, 61.6032, 103.1924



Tritanopia

52.4266, 62.1455, 87.0740

Trichromacy



Original Color

55.5546, 61.8764, 103.6230

Protanomaly

58.7815, 61.4144, 100.0228

Deuteranomaly

59.6497, 61.4299, 103.3210

Tritanomaly

53.7197, 62.2948, 93.1972

Monochromacy



Original Color

55.5546, 61.8764, 103.6230

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 55.5546, 61.8764, 103.6230 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(156, 213, 255)` looks like.

```
.text, #text, p{  
    color:rgb(156, 213, 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(156, 213, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 213, 255) }
```

Border

The CSS property to change the border of an element to XYZ 55.5546, 61.8764, 103.6230 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(156, 213, 255) }
```


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

```
.border{ border-color:rgb(156, 213, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 213, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 213, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 213, 255);  
box-shadow:4px 4px 4px 4px rgb(156, 213,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 55.5546, 61.8764, 103.6230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 213, 255) }
```

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

```
.background{ background-color: rgb(156,  
213, 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