

Converting Colors

XYZ(55.9864, 63.5913,
103.9313)

Have a look what the booklet for
XYZ(55.9864, 63.5913, 103.9313)
contains.

XYZ(55.9997, 63.6180, 103.9357)	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(55.9997, 63.6180,
103.9357)**

Conversions

Conversions Part 1

Format	Color
Hex	99D9FF
RGB	153, 217, 255
RGB Percent	60%, 85%, 100%
CMY	0.4000, 0.1490, 0.0000
CMYK	0.40, 0.15, 0.00, 0.00
HSL	202°, 100%, 80%
HSV	202°, 40%, 100%
XYZ	55.9997, 63.6180, 103.9357
YIQ	202.1960, -50.3420, -1.7500

Conversions

Conversions Part 2

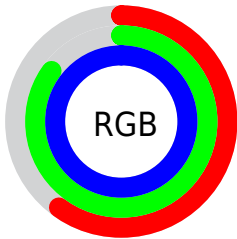
Format	Color
R_{YB}	153, 192, 255
Decimal	10082815
CIE _{Lab}	83.77, -10.86, -24.91
CIE _{LCh}	84, 27.178, 246.442
Yxy	63.6180, 0.2505, 0.2846
Android (android.graphics.Color)	4288272895 (0xFF99D9FF)
YUV	202.1960, 26.0324, -43.1449
Hunter-Lab	79.7609, -14.2577, -21.4276

Details

The XYZ color **55.9997, 63.6180, 103.9357** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **65.6211, 60.8220, 38.4201**, and the grayscale version is **56.1280, 59.0511, 64.3066**.

A 20% lighter version of the original color is **80.3883, 92.4416, 108.2138**, and **28.0431, 32.4593, 58.2133** is the 20% darker color. If you saturate the color by 10%, you get **49.3129, 56.6412, 102.9415**, and if you desaturate by 10%, it is **63.8595, 71.4116, 105.0258**.

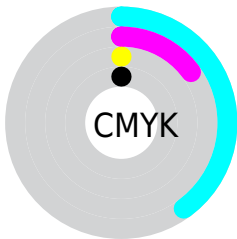
Distribution



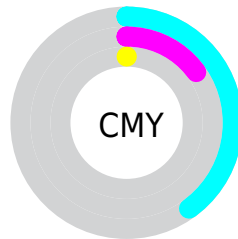
- Red (60%)
- Green (85%)
- Blue (100%)



- Red (60%)
- Yellow (75%)
- Blue (100%)



- Cyan (40%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)



- Cyan (40%)
- Magenta (15%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 55.9997, 63.6180, 103.9357 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 55.9997, 63.6180, 103.9357 by changing the saturation by 10% instead.

■ 55.9997, 63.6180,
103.9357

■ 55.9997, 63.6180,
103.9357

399.7654,
437.8089, 594.0926

■ 40.4397, 46.3413,
78.9563

■ 98.1440, 110.0606,
168.6542

■ 28.0673, 32.5153,
58.3388

■ 125.4589,
139.9954, 209.2304

■ 18.5171, 21.7554,
41.6646

157.4229,
174.9183, 255.8426

■ 11.4238, 13.6773,
28.5151

194.4012,
215.2137, 308.9093

■ 6.4220, 7.8965,
18.4719

236.7593,
261.2661, 368.8491

■ 3.1464, 4.0288,
11.1164

284.8624,

■ 1.2317, 1.6897,

313.4598, 436.0806

6.0300

339.0760,
372.1793, 511.0223

■ 0.1312, 0.4170,
2.7943

■ 0.0000, 0.0000,
0.9906

■ 55.9997, 63.6180,
103.9357

■ 55.9997, 63.6180,
103.9357

■ 49.3129, 56.6412,
102.9415

■ 63.8595, 71.4116,
105.0258

■ 43.7252, 50.4354,
102.0382

■ 72.9493, 80.0504,
106.2142

■ 39.1621, 44.9600,
101.2218

■ 83.3288, 89.5702,
107.5046

■ 35.5367, 40.1665,
100.4877

95.0500, 100.0000,
108.9000

■ 32.7458, 35.9978,
99.8301

■ 30.6221, 32.3640,
99.2407

■ 30.6217, 32.3634,
99.2406

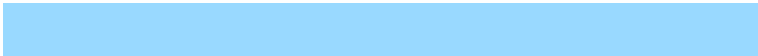
Harmonies

Analogous

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



51.7053, 63.6180, 90.6604



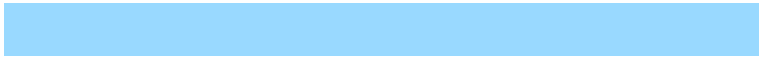
55.9997, 63.6180, 103.9357



61.7625, 63.6180, 107.2858

Triad

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



55.9997, 63.6180, 103.9357



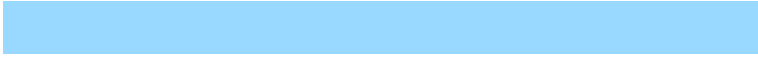
72.5895, 63.6180, 65.6502



53.9094, 63.6180, 46.0710

Complementary

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



55.9997, 63.6180, 103.9357



65.6211, 60.8220, 38.4201

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.



59.1898, 63.6180, 41.4973



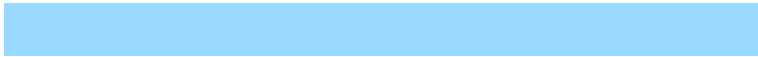
55.9997, 63.6180, 103.9357



70.1665, 63.6180, 51.5389

Square

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



55.9997, 63.6180, 103.9357



71.5966, 63.6180, 83.2380



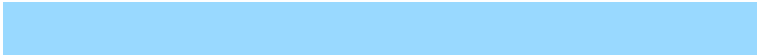
65.1658, 63.6180, 43.3207



50.5550, 63.6180, 56.9577

Rectangle

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



55.9997, 63.6180, 103.9357



65.7171, 63.6180, 103.0229



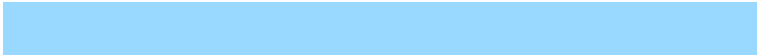
65.1658, 63.6180, 43.3207



55.5042, 63.6180, 43.8335

Sweetspot

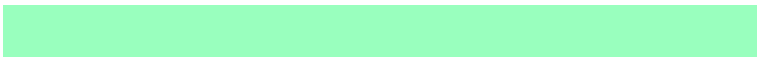
The Sweet Spot groups the original color and five complimentary colors.



56.0015, 63.6204, 103.9361



81.1452, 87.5926, 107.2380



58.2361, 82.0281, 61.7100



17.0696, 18.4764, 22.9166



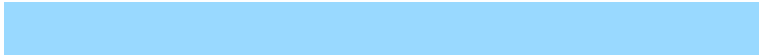
0.0000, 0.0000, 0.0000



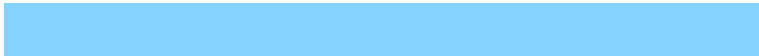
20.3446, 21.4041, 23.3091

Same Dimension

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



56.0015, 63.6204, 103.9361



50.5592, 57.9727, 103.1328



44.9339, 41.4852, 100.2469



17.9529, 19.2773, 23.0246



16.1485, 17.2065, 51.9047



1.6771, 1.8850, 5.0887

Inverse Universe

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



65.1568, 49.0539, 71.6824



61.1314, 42.5491, 65.5740



78.5641, 86.7081, 42.7345



18.4889, 18.1789, 21.1914



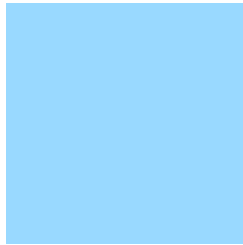
24.9392, 12.4650, 18.8621



2.4812, 1.2348, 2.1152

Previews

White Background



This preview shows how the XYZ color 55.9997, 63.6180, 103.9357 looks on a white background.

Color Contrast Check

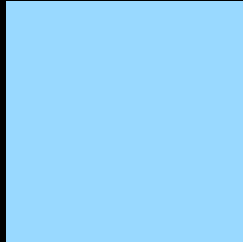
Large Text (above 18pt) WCAG AA × Fail

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 55.9997, 63.6180, 103.9357 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

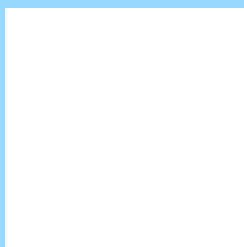
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 55.9997, 63.6180, 103.9357

Background



This preview shows how black text looks on a background with the XYZ color 55.9997, 63.6180, 103.9357.

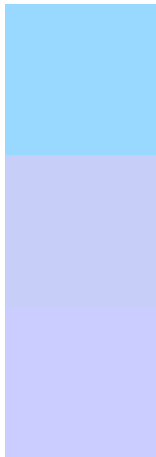


This preview shows how white text looks on a background with the XYZ color 55.9997, 63.6180,

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

55.9997, 63.6180, 103.9357

Protanopia

62.5678, 63.0620, 97.6815

Deuteranopia

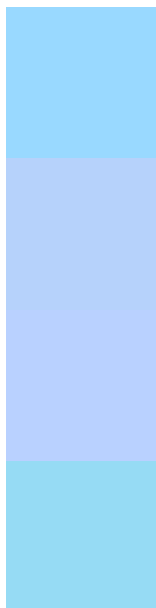
64.2715, 63.1022, 103.4002



Tritanopia

53.2386, 63.6553, 90.3697

Trichromacy



Original Color

55.9997, 63.6180, 103.9357

Protanomaly

59.7506, 63.0033, 100.2784

Deuteranomaly

60.8580, 63.1352, 103.5865

Tritanomaly

54.2383, 63.6787, 95.0205

Monochromacy



Original Color

55.9997, 63.6180, 103.9357

Achromatopsia

56.1383, 59.0619, 64.3184

Achromatomaly

55.1311, 60.0365, 77.0891

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.9997, 63.6180, 103.9357 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(153, 217, 255)` looks like.

```
.text, #text, p{  
    color:rgb(153, 217, 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(153, 217, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 217, 255) }
```

Border

The CSS property to change the border of an element to XYZ 55.9997, 63.6180, 103.9357 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(153, 217, 255) }
```


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

```
.border{ border-color:rgb(153, 217, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 217, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(153, 217, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(153, 217, 255); box-shadow:4px 4px 4px 4px rgb(153, 217, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 55.9997, 63.6180, 103.9357 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 217, 255) }
```

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

```
.background{ background-color: rgb(153,  
217, 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