

Converting Colors

XYZ(55.6319, 62.8825,
103.8132)

Have a look what the booklet for
XYZ(55.6319, 62.8825, 103.8132)
contains.

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Color

**XYZ(55.7427, 63.1040,
103.8501)**

Conversions

Conversions Part 1

Format	Color
Hex	99D8FF
RGB	153, 216, 255
RGB Percent	60%, 85%, 100%
CMY	0.4000, 0.1529, 0.0000
CMYK	0.40, 0.15, 0.00, 0.00
HSL	203°, 100%, 80%
HSV	203°, 40%, 100%
XYZ	55.7427, 63.1040, 103.8501
YIQ	201.6090, -50.0670, -1.2270

Conversions

Conversions Part 2

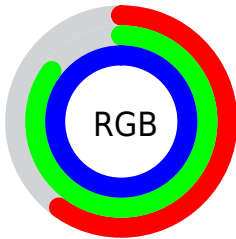
Format	Color
R_{YB}	153, 192, 255
Decimal	10082559
CIE _{Lab}	83.50, -10.34, -25.32
CIE _{LCh}	83, 27.354, 247.783
Yxy	63.1040, 0.2503, 0.2834
Android (android.graphics.Color)	4288272639 (0xFF99D8FF)
YUV	201.6090, 26.3218, -42.6301
Hunter-Lab	79.4380, -13.7608, -21.9038

Details

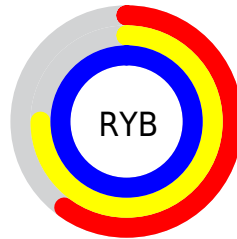
The XYZ color **55.7427, 63.1040, 103.8501** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **65.8399, 61.2596, 38.4930**, and the grayscale version is **55.7608, 58.6647, 63.8858**.

A 20% lighter version of the original color is **80.3883, 92.4416, 108.2138**, and **27.8677, 32.1083, 58.1548** is the 20% darker color. If you saturate the color by 10%, you get **49.0103, 56.0359, 102.8406**, and if you desaturate by 10%, it is **63.6553, 71.0033, 104.9578**.

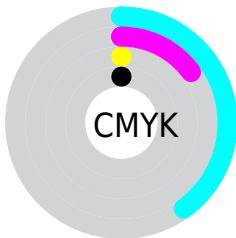
Distribution



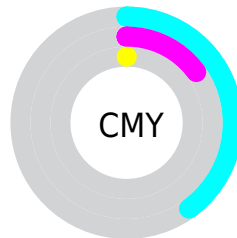
- Red (60%)
- Green (85%)
- Blue (100%)



- 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 55.7427, 63.1040, 103.8501 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 55.7427, 63.1040, 103.8501 by changing the saturation by 10% instead.

■ 55.7427, 63.1040,
103.8501

■ 55.7427, 63.1040,
103.8501

398.8119,
435.9468, 593.8190

■ 40.2329, 45.9253,
78.8851

■ 97.7703, 109.3195,
168.5360

■ 27.9052, 32.1869,
58.2805

■ 125.0187,
139.1252, 209.0939

■ 18.3943, 21.5043,
41.6180

156.9107,
173.9087, 255.6865

■ 11.3348, 13.4931,
28.4790

193.8117,
214.0544, 308.7323

■ 6.3615, 7.7690,
18.4449

236.0869,
259.9466, 368.6500

■ 3.1088, 3.9475,
11.0971

284.1018,

■ 1.2116, 1.6442,

311.9698, 435.8579

6.0172

338.2217,
370.5084, 510.7747

■ 0.1155, 0.3871,
2.7866

■ 0.0000, 0.0000,
0.9867

■ 55.7427, 63.1040,
103.8501

■ 55.7427, 63.1040,
103.8501

■ 49.0103, 56.0359,
102.8406

■ 63.6553, 71.0033,
104.9578

■ 43.3839, 49.7530,
101.9244

■ 72.8055, 79.7629,
106.1663

■ 38.7891, 44.2141,
101.0975

■ 83.2530, 89.4186,
107.4794

■ 35.1387, 39.3704,
100.3550

95.0500, 100.0000,
108.9000

■ 32.3291, 35.1645,
99.6912

■ 30.1929, 31.5058,
99.0976

■ 30.1926, 31.5052,
99.0975

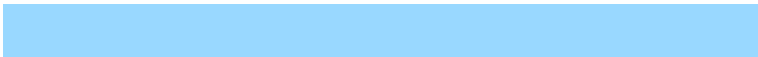
Harmonies

Analogous

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



51.3576, 63.1040, 90.8781



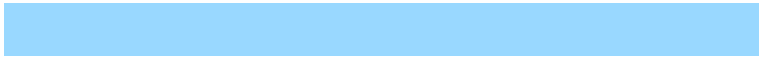
55.7427, 63.1040, 103.8501



61.5460, 63.1040, 106.6908

Triad

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



55.7427, 63.1040, 103.8501



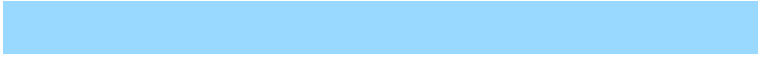
72.0831, 63.1040, 64.3541



53.2183, 63.1040, 45.8686

Complementary

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



55.7427, 63.1040, 103.8501



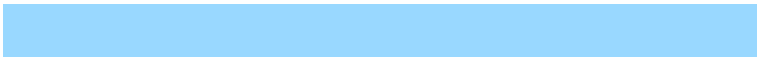
65.8399, 61.2596, 38.4930

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.



58.4378, 63.1040, 41.0180



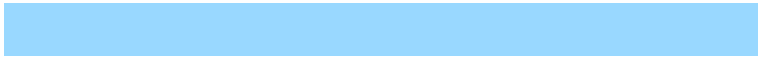
55.7427, 63.1040, 103.8501



69.5138, 63.1040, 50.4755

Square

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



55.7427, 63.1040, 103.8501



71.2427, 63.1040, 81.9022



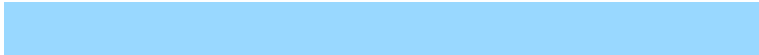
64.4235, 63.1040, 42.5523



49.9689, 63.1040, 57.0156

Rectangle

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



55.7427, 63.1040, 103.8501



65.4885, 63.1040, 102.0840



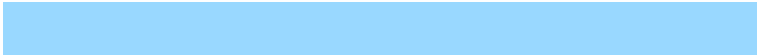
64.4235, 63.1040, 42.5523



54.7865, 63.1040, 43.5397

Sweetspot

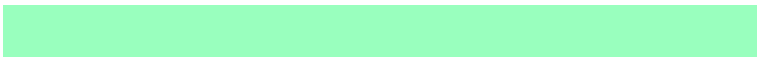
The Sweet Spot groups the original color and five complimentary colors.



55.7445, 63.1063, 103.8504



81.0552, 87.4125, 107.2080



58.2360, 82.0281, 61.7100



17.0484, 18.4339, 22.9095



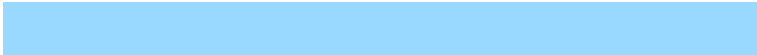
0.0000, 0.0000, 0.0000



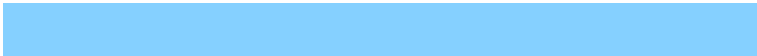
20.3446, 21.4041, 23.3091

Same Dimension

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



55.7445, 63.1063, 103.8504



50.2651, 57.3846, 103.0348



44.9339, 41.4852, 100.2469



17.9374, 19.2464, 23.0195



15.9251, 16.7598, 51.8302



1.6562, 1.8432, 5.0818

Inverse Universe

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



65.0271, 49.0019, 70.9993



60.9830, 42.4898, 64.7923



78.5641, 86.7081, 42.7344



18.4810, 18.1757, 21.1503



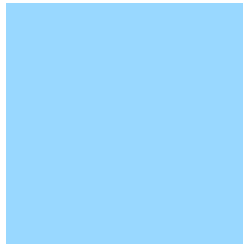
24.8265, 12.4199, 18.2685



2.4706, 1.2306, 2.0596

Previews

White Background



This preview shows how the XYZ color 55.7427, 63.1040, 103.8501 looks on a white background.

Color Contrast Check

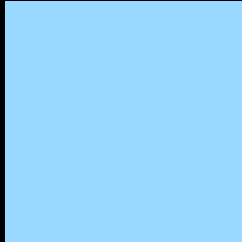
Large Text (above 18pt) WCAG AA × Fail

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 55.7427, 63.1040, 103.8501 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

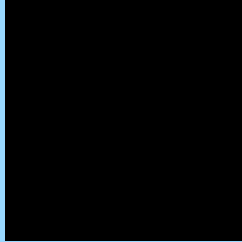
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 55.7427, 63.1040, 103.8501

Background



This preview shows how black text looks on a background with the XYZ color 55.7427, 63.1040, 103.8501.



This preview shows how white text looks on a background with the XYZ color 55.7427, 63.1040,

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

55.7427, 63.1040, 103.8501

Protanopia

62.0633, 62.4457, 97.5891

Deuteranopia

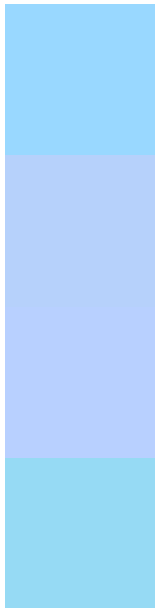
63.7631, 62.4884, 103.3085



Tritanopia

52.8303, 63.0734, 89.5107

Trichromacy



Original Color

55.7427, 63.1040, 103.8501

Protanomaly

59.5045, 62.5110, 100.1964

Deuteranomaly

60.3730, 62.5221, 103.4937

Tritanomaly

53.9782, 63.1585, 94.9338

Monochromacy



Original Color

55.7427, 63.1040, 103.8501

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 55.7427, 63.1040, 103.8501 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, 216, 255)` looks like.

```
.text, #text, p{  
    color:rgb(153, 216, 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, 216, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 216, 255) }
```

Border

The CSS property to change the border of an element to XYZ 55.7427, 63.1040, 103.8501 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, 216, 255) }
```


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

```
.border{ border-color:rgb(153, 216, 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, 216, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 216, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 216, 255);  
box-shadow:4px 4px 4px 4px rgb(153, 216,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 55.7427, 63.1040, 103.8501 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 216, 255) }
```

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

```
.background{ background-color: rgb(153,  
216, 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](#).

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