

Converting Colors

XYZ(55.5046, 62.6279,
103.7707)

Have a look what the booklet for
XYZ(55.5046, 62.6279, 103.7707)
contains.

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Color

**XYZ(55.4873, 62.5932,
103.7649)**

Conversions

Conversions Part 1

Format	Color
Hex	99D7FF
RGB	153, 215, 255
RGB Percent	60%, 84%, 100%
CMY	0.4000, 0.1568, 0.0000
CMYK	0.40, 0.16, 0.00, 0.00
HSL	204°, 100%, 80%
HSV	204°, 40%, 100%
XYZ	55.4873, 62.5932, 103.7649
YIQ	201.0220, -49.7920, -0.7040

Conversions

Conversions Part 2

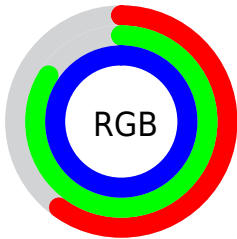
Format	Color
R_{YB}	153, 192, 255
Decimal	10082303
CIE _{Lab}	83.23, -9.82, -25.73
CIE _{LCh}	83, 27.544, 249.107
Yxy	62.5932, 0.2501, 0.2821
Android (android.graphics.Color)	4288272383 (0xFF99D7FF)
YUV	201.0220, 26.6112, -42.1153
Hunter-Lab	79.1159, -13.2632, -22.3811

Details

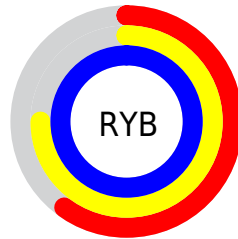
The XYZ color **55.4873, 62.5932, 103.7649** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **66.0602, 61.7003, 38.5665**, and the grayscale version is **55.3950, 58.2798, 63.4668**.

A 20% lighter version of the original color is **80.3883, 92.4416, 108.2138**, and **27.6936, 31.7602, 58.0968** is the 20% darker color. If you saturate the color by 10%, you get **48.7101, 55.4355, 102.7406**, and if you desaturate by 10%, it is **63.4522, 70.5969, 104.8900**.

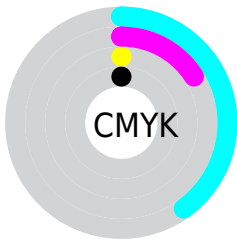
Distribution



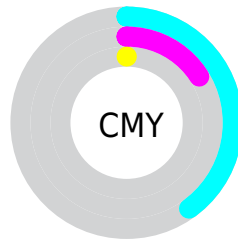
- Red (60%)
- Green (84%)
- Blue (100%)



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



- Cyan (40%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)



- Cyan (40%)
- Magenta (16%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 55.4873, 62.5932, 103.7649 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 55.4873, 62.5932, 103.7649 by changing the saturation by 10% instead.

■ 55.4873, 62.5932,
103.7649

■ 55.4873, 62.5932,
103.7649

397.8629,
434.0916, 593.5465

■ 40.0274, 45.5122,
78.8141

■ 97.3987, 108.5824,
168.4183

■ 27.7442, 31.8611,
58.2226

■ 124.5810,
138.2594, 208.9580

■ 18.2724, 21.2554,
41.5717

156.4013,
172.9038, 255.5311

■ 11.2466, 13.3108,
28.4430

193.2252,
212.9001, 308.5562

■ 6.3015, 7.6429,
18.4179

235.4180,
258.6327, 368.4517

■ 3.0716, 3.8673,
11.0779

283.3449,

■ 1.1918, 1.5996,

310.4858, 435.6362

6.0044

337.3714,
368.8440, 510.5283

■ 0.0998, 0.3573,
2.7789

■ 0.0000, 0.0000,
0.9829

■ 55.4873, 62.5932,
103.7649

■ 55.4873, 62.5932,
103.7649

■ 48.7101, 55.4355,
102.7406

■ 63.4522, 70.5969,
104.8900

■ 43.0462, 49.0774,
101.8119

■ 72.6622, 79.4762,
106.1185

■ 38.4208, 43.4774,
100.9747

■ 83.1774, 89.2673,
107.4541

■ 34.7466, 38.5861,
100.2243

95.0500, 100.0000,
108.9000

■ 31.9197, 34.3457,
99.5548

■ 29.7725, 30.6650,
98.9575

■ 29.7722, 30.6644,
98.9574

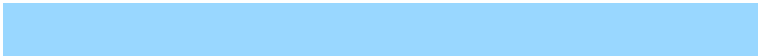
Harmonies

Analogous

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



51.0122, 62.5932, 91.0972



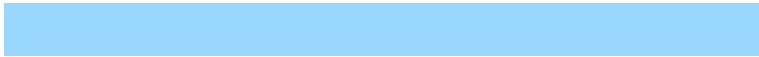
55.4873, 62.5932, 103.7649



61.3308, 62.5932, 106.0976

Triad

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



55.4873, 62.5932, 103.7649



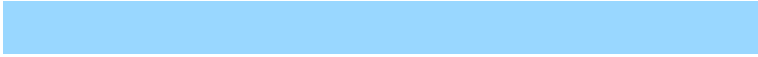
71.5791, 62.5932, 63.0748



52.5334, 62.5932, 45.6681

Complementary

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



55.4873, 62.5932, 103.7649



66.0602, 61.7003, 38.5665

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.



57.6922, 62.5932, 40.5433



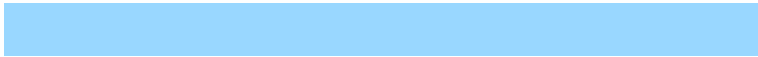
55.4873, 62.5932, 103.7649



68.8652, 62.5932, 49.4268

Square

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



55.4873, 62.5932, 103.7649



70.8903, 62.5932, 80.5798



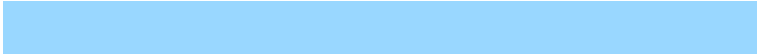
63.6869, 62.5932, 41.7935



49.3877, 62.5932, 57.0750

Rectangle

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



55.4873, 62.5932, 103.7649



65.2611, 62.5932, 101.1499



63.6869, 62.5932, 41.7935



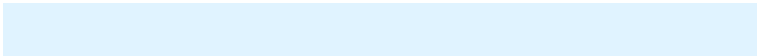
54.0751, 62.5932, 43.2483

Sweetspot

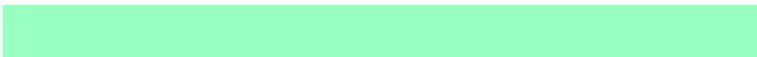
The Sweet Spot groups the original color and five complimentary colors.



55.4891, 62.5955, 103.7653



80.9654, 87.2328, 107.1780



58.4235, 82.1031, 62.6971



17.0272, 18.3916, 22.9025



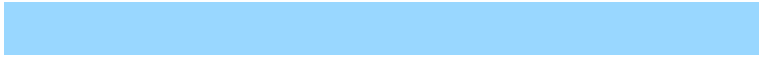
0.0000, 0.0000, 0.0000



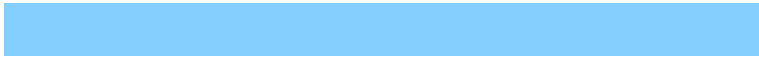
20.3446, 21.4041, 23.3091

Same Dimension

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



55.4891, 62.5955, 103.7653



49.9732, 56.8009, 102.9375



44.6255, 40.8683, 100.1441



17.9220, 19.2155, 23.0143



15.7062, 16.3220, 51.7572



1.6357, 1.8021, 5.0749

Inverse Universe

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



64.8982, 48.9504, 70.3204



60.8356, 42.4308, 64.0166



79.0708, 87.7214, 42.9034



18.4733, 18.1726, 21.1093



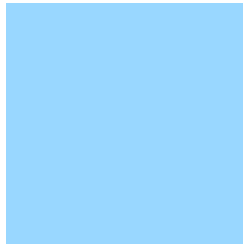
24.7160, 12.3757, 17.6866



2.4602, 1.2265, 2.0050

Previews

White Background



This preview shows how the XYZ color 55.4873, 62.5932, 103.7649 looks on a white background.

Color Contrast Check

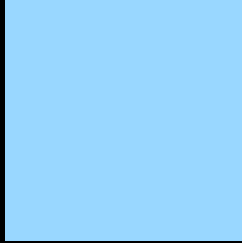
Large Text (above 18pt) WCAG AA × Fail

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 55.4873, 62.5932, 103.7649 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

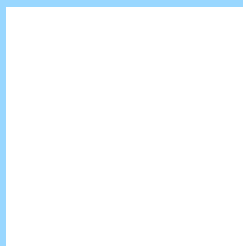
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 55.4873, 62.5932, 103.7649

Background



This preview shows how black text looks on a background with the XYZ color 55.4873, 62.5932, 103.7649.

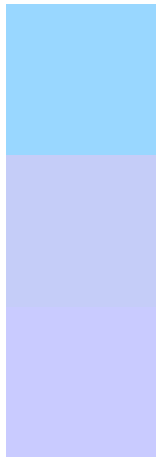


This preview shows how white text looks on a background with the XYZ color 55.4873, 62.5932,

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

55.4873, 62.5932, 103.7649

Protanopia

61.8006, 62.3103, 97.5768

Deuteranopia

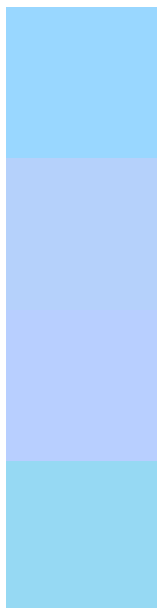
63.4933, 62.3494, 103.2959



Tritanopia

52.4245, 62.4948, 88.6565

Trichromacy



Original Color

55.4873, 62.5932, 103.7649

Protanomaly

59.2691, 62.3897, 100.1854

Deuteranomaly

60.1300, 62.0360, 103.4127

Tritanomaly

53.5682, 62.5808, 94.0500

Monochromacy



Original Color

55.4873, 62.5932, 103.7649

Achromatopsia

55.5167, 58.4078, 63.6061

Achromatomaly

54.8896, 59.5534, 77.0086

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.4873, 62.5932, 103.7649 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, 215, 255)` looks like.

```
.text, #text, p{  
    color:rgb(153, 215, 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, 215, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 215, 255) }
```

Border

The CSS property to change the border of an element to XYZ 55.4873, 62.5932, 103.7649 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, 215, 255) }
```


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

```
.border{ border-color:rgb(153, 215, 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, 215, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 215, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 215, 255);  
box-shadow:4px 4px 4px 4px rgb(153, 215,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 55.4873, 62.5932, 103.7649 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 215, 255) }
```

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

```
.background{ background-color: rgb(153,  
215, 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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