

Converting Colors

XYZ(55.1676, 61.9450,
103.6439)

Have a look what the booklet for
XYZ(55.1676, 61.9450, 103.6439)
contains.

XYZ(55.2334, 62.0854, 103.6803)	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(55.2334, 62.0854,
103.6803)**

Conversions

Conversions Part 1

Format	Color
Hex	99D6FF
RGB	153, 214, 255
RGB Percent	60%, 84%, 100%
CMY	0.4000, 0.1608, 0.0000
CMYK	0.40, 0.16, 0.00, 0.00
HSL	204°, 100%, 80%
HSV	204°, 40%, 100%
XYZ	55.2334, 62.0854, 103.6803
YIQ	200.4350, -49.5170, -0.1810

Conversions

Conversions Part 2

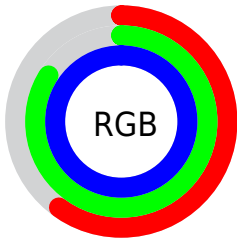
Format	Color
RYB	153, 191, 255
Decimal	10082047
CIELab	82.96, -9.30, -26.14
CIELCh	83, 27.749, 250.415
Yxy	62.0854, 0.2499, 0.2809
Android (android.graphics.Color)	4288272127 (0xFF99D6FF)
YUV	200.4350, 26.9005, -41.6005
Hunter-Lab	78.7943, -12.7647, -22.8599

Details

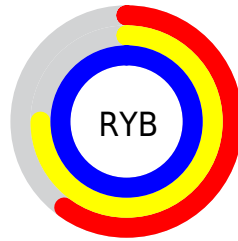
The XYZ color **55.2334, 62.0854, 103.6803** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **66.2821, 62.1440, 38.6404**, and the grayscale version is **55.0305, 57.8964, 63.0492**.

A 20% lighter version of the original color is **80.3883, 92.4416, 108.2138**, and **27.5209, 31.4149, 58.0393** is the 20% darker color. If you saturate the color by 10%, you get **48.4122, 54.8398, 102.6413**, and if you desaturate by 10%, it is **63.2498, 70.1922, 104.8226**.

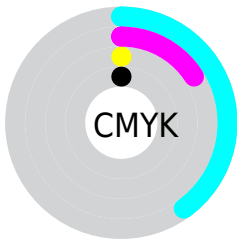
Distribution



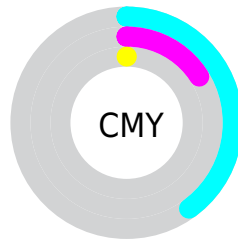
- Red (60%)
- Green (84%)
- Blue (100%)



- 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 55.2334, 62.0854, 103.6803 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 55.2334, 62.0854, 103.6803 by changing the saturation by 10% instead.

■ 55.2334, 62.0854,
103.6803

■ 55.2334, 62.0854,
103.6803

396.9181,
432.2425, 593.2759

■ 39.8232, 45.1017,
78.7437

■ 97.0292, 107.8489,
168.3015

■ 27.5843, 31.5375,
58.1650

■ 124.1454,
137.3976, 208.8231

■ 18.1514, 21.0085,
41.5258

155.8945,
171.9033, 255.3768

■ 11.1591, 13.1302,
28.4073

192.6416,
211.7506, 308.3812

■ 6.2420, 7.5183,
18.3912

234.7521,
257.3238, 368.2548

■ 3.0349, 3.7883,
11.0589

282.5915,

■ 1.1722, 1.5559,

309.0072, 435.4160

5.9918

336.5250,
367.1853, 510.2835

■ 0.0843, 0.3276,
2.7714

■ 0.0000, 0.0000,
0.9791

■ 55.2334, 62.0854,
103.6803

■ 55.2334, 62.0854,
103.6803

■ 48.4122, 54.8398,
102.6413

■ 63.2498, 70.1922,
104.8226

■ 42.7117, 48.4084,
101.7004

■ 72.5192, 79.1903,
106.0708

■ 38.0569, 42.7495,
100.8534

■ 83.1018, 89.1161,
107.4289

■ 34.3601, 37.8132,
100.0954

95.0500, 100.0000,
108.9000

■ 31.5174, 33.5409,
99.4207

■ 29.3607, 29.8413,
98.8202

■ 29.3603, 29.8407,
98.8201

Harmonies

Analogous

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



50.6689, 62.0854, 91.3181



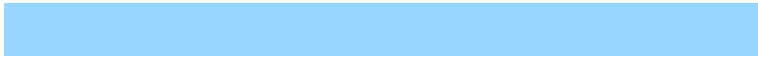
55.2334, 62.0854, 103.6803



61.1169, 62.0854, 105.5060

Triad

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



55.2334, 62.0854, 103.6803



71.0776, 62.0854, 61.8114



51.8542, 62.0854, 45.4693

Complementary

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



55.2334, 62.0854, 103.6803



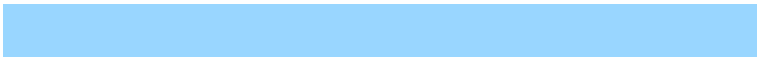
66.2821, 62.1440, 38.6404

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.



56.9527, 62.0854, 40.0730



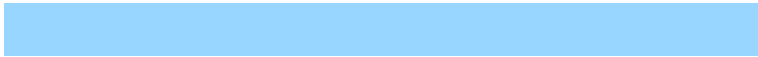
55.2334, 62.0854, 103.6803



68.2203, 62.0854, 48.3922

Square

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



55.2334, 62.0854, 103.6803



70.5395, 62.0854, 79.2703



62.9556, 62.0854, 41.0438



48.8113, 62.0854, 57.1361

Rectangle

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



55.2334, 62.0854, 103.6803



65.0349, 62.0854, 100.2206



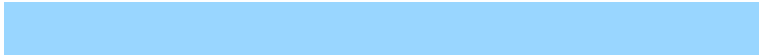
62.9556, 62.0854, 41.0438



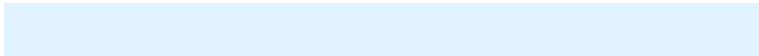
53.3697, 62.0854, 42.9593

Sweetspot

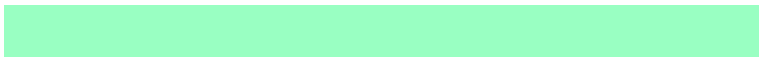
The Sweet Spot groups the original color and five complimentary colors.



55.2352, 62.0877, 103.6807



80.8756, 87.0534, 107.1481



58.6131, 82.1789, 63.6957



17.0060, 18.3493, 22.8954



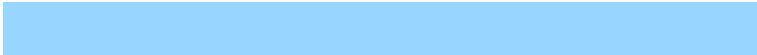
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



55.2352, 62.0877, 103.6807



49.6836, 56.2215, 102.8410



44.3211, 40.2596, 100.0426



17.9065, 19.1847, 23.0092



15.4916, 15.8928, 51.6857



1.6155, 1.7616, 5.0682

Inverse Universe

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



64.7700, 48.8991, 69.6455



60.6894, 42.3724, 63.2466



79.5822, 88.7442, 43.0738



18.4655, 18.1695, 21.0683



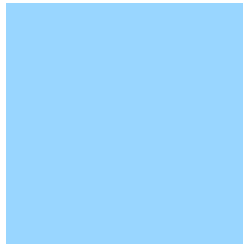
24.6076, 12.3324, 17.1162



2.4500, 1.2224, 1.9512

Previews

White Background



This preview shows how the XYZ color 55.2334, 62.0854, 103.6803 looks on a white background.

Color Contrast Check

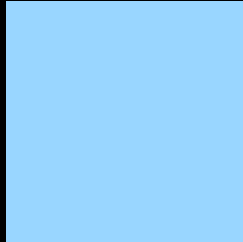
Large Text (above 18pt) WCAG AA × Fail

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 55.2334, 62.0854, 103.6803 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

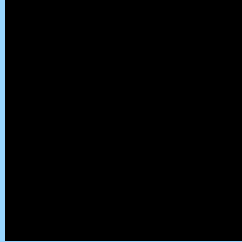
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 55.2334, 62.0854, 103.6803

Background



This preview shows how black text looks on a background with the XYZ color 55.2334, 62.0854, 103.6803.

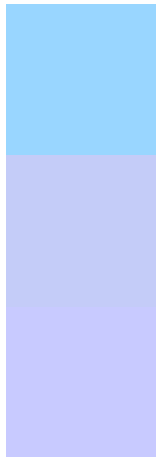


This preview shows how white text looks on a background with the XYZ color 55.2334, 62.0854,

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

55.2334, 62.0854, 103.6803

Protanopia

61.3011, 61.6988, 97.4851

Deuteranopia

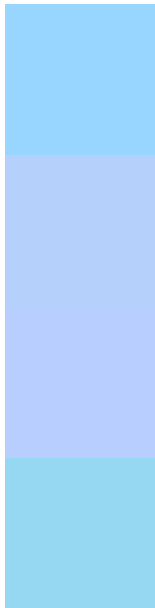
62.9899, 61.7404, 103.2049



Tritanopia

52.0210, 61.9198, 87.8072

Trichromacy



Original Color

55.2334, 62.0854, 103.6803

Protanomaly

58.7909, 61.7801, 100.0929

Deuteranomaly

59.6497, 61.4299, 103.3210

Tritanomaly

53.1606, 62.0066, 93.1710

Monochromacy



Original Color

55.2334, 62.0854, 103.6803

Achromatopsia

54.8990, 57.7580, 62.8985

Achromatomaly

54.2780, 58.8972, 76.2177

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.2334, 62.0854, 103.6803 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, 214, 255)` looks like.

```
.text, #text, p{  
    color:rgb(153, 214, 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, 214, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 214, 255) }
```

Border

The CSS property to change the border of an element to XYZ 55.2334, 62.0854, 103.6803 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, 214, 255) }
```


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

```
.border{ border-color:rgb(153, 214, 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, 214, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 214, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 214, 255);  
box-shadow:4px 4px 4px 4px rgb(153, 214,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 55.2334, 62.0854, 103.6803 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 214, 255) }
```

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

```
.background{ background-color: rgb(153,  
214, 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