

Converting Colors

XYZ(55.1991, 63.4068,
103.9365)

Have a look what the booklet for
XYZ(55.1991, 63.4068, 103.9365)
contains.

XYZ(55.3341, 63.6587, 103.9787)	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(55.3341, 63.6587,
103.9787)**

Conversions

Conversions Part 1

Format	Color
Hex	94DAFF
RGB	148, 218, 255
RGB Percent	58%, 85%, 100%
CMY	0.4196, 0.1451, 0.0000
CMYK	0.42, 0.15, 0.00, 0.00
HSL	201°, 100%, 79%
HSV	201°, 42%, 100%
XYZ	55.3341, 63.6587, 103.9787
YIQ	201.2880, -53.5970, -3.3330

Conversions

Conversions Part 2

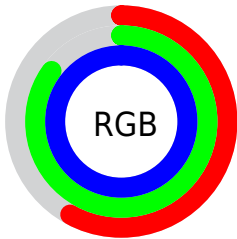
Format	Color
R_{YB}	148, 190, 255
Decimal	9755391
CIE _{Lab}	83.79, -12.62, -24.90
CIE _{LCh}	84, 27.919, 243.124
Yxy	63.6587, 0.2482, 0.2855
Android (android.graphics.Color)	4287945471 (0xFF94DAFF)
YUV	201.2880, 26.4800, -46.7336
Hunter-Lab	79.7864, -15.8315, -21.4170

Details

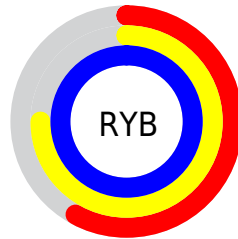
The XYZ color **55.3341, 63.6587, 103.9787** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **63.9347, 58.0965, 35.8628**, and the grayscale version is **55.5622, 58.4558, 63.6583**.

A 20% lighter version of the original color is **79.2636, 91.8618, 108.1612**, and **27.6046, 32.4957, 58.2435** is the 20% darker color. If you saturate the color by 10%, you get **48.9939, 57.0870, 103.0444**, and if you desaturate by 10%, it is **62.8155, 71.0021, 105.0018**.

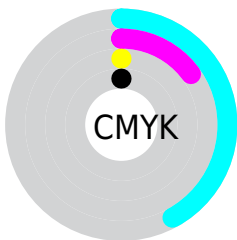
Distribution



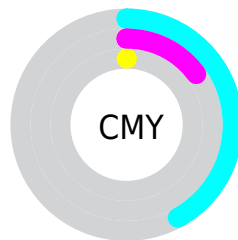
- Red (58%)
- Green (85%)
- Blue (100%)



- Red (58%)
- Yellow (75%)
- Blue (100%)



- Cyan (42%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)



- Cyan (42%)
- Magenta (15%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 55.3341, 63.6587, 103.9787 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 55.3341, 63.6587, 103.9787 by changing the saturation by 10% instead.

■ 55.3341, 63.6587,
103.9787

■ 55.3341, 63.6587,
103.9787

397.2930,
437.9561, 594.2301

■ 39.9042, 46.3743,
78.9921

■ 97.1758, 110.1193,
168.7136

■ 27.6477, 32.5413,
58.3681

■ 124.3182,
140.0642, 209.2989

■ 18.1994, 21.7753,
41.6880

156.0955,
174.9981, 255.9209

■ 11.1938, 13.6919,
28.5333

192.8731,
215.3054, 308.9982

■ 6.2656, 7.9067,
18.4855

235.0163,
261.3705, 368.9492

■ 3.0494, 4.0353,
11.1261

282.8904,

■ 1.1800, 1.6933,

313.5777, 436.1925

6.0365

336.8609,
372.3114, 511.1466

■ 0.0905, 0.4193,
2.7981

■ 0.0000, 0.0000,
0.9925

■ 55.3341, 63.6587,
103.9787

■ 55.3341, 63.6587,
103.9787

■ 48.9939, 57.0870,
103.0444

■ 62.8155, 71.0021,
105.0018

■ 43.7201, 51.2414,
102.1940

■ 71.4957, 79.1455,
106.1161

■ 39.4371, 46.0816,
101.4238

■ 81.4349, 88.1238,
107.3253

■ 36.0557, 41.5586,
100.7290

■ 92.6873, 97.9676,
108.6322

■ 33.4690, 37.6143,
100.1040

95.0500, 100.0000,
108.9000

■ 31.8372, 34.7943,
99.6457

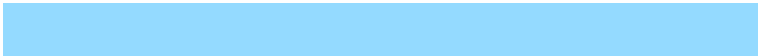
Harmonies

Analogous

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



51.1649, 63.6587, 89.4357



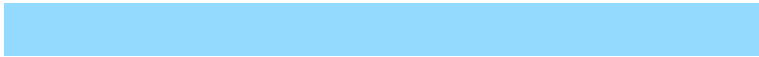
55.3341, 63.6587, 103.9787



61.1499, 63.6587, 108.7609

Triad

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



55.3341, 63.6587, 103.9787



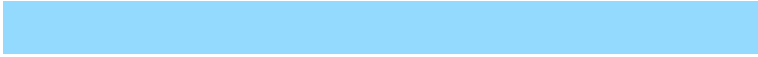
73.0493, 63.6587, 67.4911



54.2930, 63.6587, 44.7203

Complementary

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



55.3341, 63.6587, 103.9787



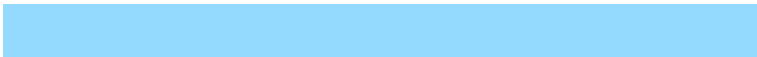
63.9347, 58.0965, 35.8628

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.



59.8660, 63.6587, 40.7849



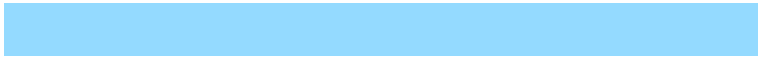
55.3341, 63.6587, 103.9787



70.9193, 63.6587, 52.4614

Square

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



55.3341, 63.6587, 103.9787



71.6354, 63.6587, 85.7142



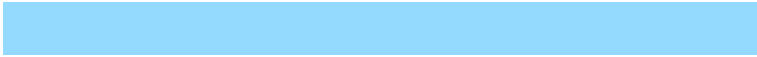
65.9899, 63.6587, 43.3615



50.5929, 63.6587, 55.1509

Rectangle

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



55.3341, 63.6587, 103.9787



65.2517, 63.6587, 105.2074



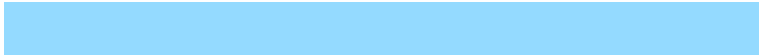
65.9899, 63.6587, 43.3615



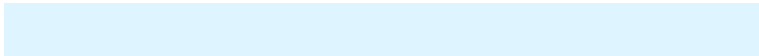
55.9956, 63.6587, 42.6820

Sweetspot

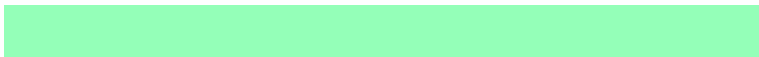
The Sweet Spot groups the original color and five complimentary colors.



55.3359, 63.6611, 103.9790



80.3400, 87.1494, 107.1949



56.5907, 81.2632, 57.8687



16.7091, 18.2179, 22.8857



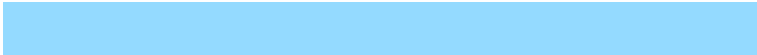
0.0000, 0.0000, 0.0000



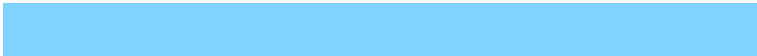
20.3446, 21.4041, 23.3091

Same Dimension

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



55.3359, 63.6611, 103.9790



50.1499, 58.3163, 103.2207



43.8701, 40.7295, 100.1571



17.9951, 19.3619, 23.0387



16.7804, 18.4704, 52.1153



1.7359, 2.0025, 5.1083

Inverse Universe

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



64.4860, 47.5033, 72.1025



60.6412, 41.2671, 66.3406



76.9183, 84.0636, 40.1907



18.5102, 18.1874, 21.3038



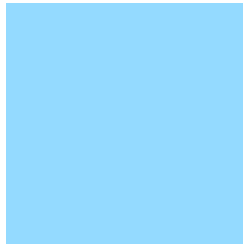
25.2582, 12.5926, 20.5419



2.5108, 1.2467, 2.2714

Previews

White Background



This preview shows how the XYZ color 55.3341, 63.6587, 103.9787 looks on a white background.

Color Contrast Check

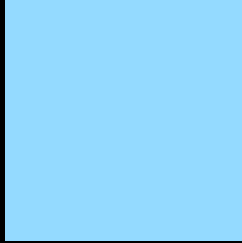
Large Text (above 18pt) WCAG AA × Fail

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 55.3341, 63.6587, 103.9787 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 55.3341, 63.6587, 103.9787

Background



This preview shows how black text looks on a background with the XYZ color 55.3341, 63.6587, 103.9787.

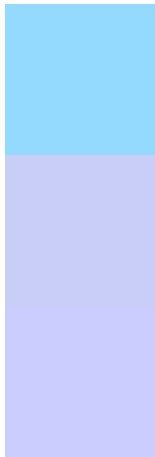


This preview shows how white text looks on a background with the XYZ color 55.3341, 63.6587,

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

55.3341, 63.6587, 103.9787

Protanopia

62.6792, 63.1374, 96.8789

Deuteranopia

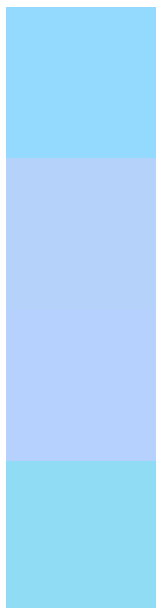
64.2715, 63.1022, 103.4002



Tritanopia

52.7641, 63.7845, 91.1920

Trichromacy



Original Color

55.3341, 63.6587, 103.9787

Protanomaly

59.3580, 62.8191, 99.4393

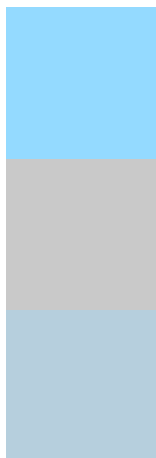
Deuteranomaly

60.3789, 62.8882, 103.5641

Tritanomaly

53.7517, 63.7987, 95.8676

Monochromacy



Original Color

55.3341, 63.6587, 103.9787

Achromatopsia

55.5167, 58.4078, 63.6061

Achromatomaly

54.6554, 59.7912, 77.0668

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.3341, 63.6587, 103.9787 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(148, 218, 255)` looks like.

```
.text, #text, p{  
    color:rgb(148, 218, 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(148, 218, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 218, 255) }
```

Border

The CSS property to change the border of an element to XYZ 55.3341, 63.6587, 103.9787 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(148, 218, 255) }
```


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

```
.border{ border-color:rgb(148, 218, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 218, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 218, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 218, 255);  
box-shadow:4px 4px 4px 4px rgb(148, 218,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 55.3341, 63.6587, 103.9787 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 218, 255) }
```

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

```
.background{ background-color: rgb(148,  
218, 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