

Converting Colors

XYZ(51.6840, 55.9884, 99.5667)

Have a look what the booklet for
XYZ(51.6840, 55.9884, 99.5667)
contains.

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Color

**XYZ(51.6700, 55.9784,
99.3484)**

Conversions

Conversions Part 1

Format	Color
Hex	99CAFB
RGB	153, 202, 251
RGB Percent	60%, 79%, 98%
CMY	0.4000, 0.2078, 0.0157
CMYK	0.39, 0.20, 0.00, 0.02
HSL	210°, 92%, 79%
HSV	210°, 39%, 98%
XYZ	51.6700, 55.9784, 99.3484
YIQ	192.9350, -44.9330, 4.8510

Conversions

Conversions Part 2

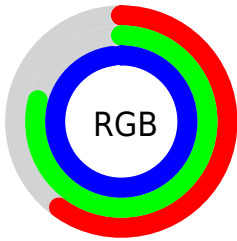
Format	Color
R _Y B	153, 186, 251
Decimal	10078971
CIE Lab	79.60, -4.00, -29.15
CIE LCh	80, 29.426, 262.180
Yxy	55.9784, 0.2496, 0.2704
Android (android.graphics.Color)	4288269051 (0xFF99CAFB)
YUV	192.9350, 28.6260, -35.0230
Hunter-Lab	74.8187, -7.6602, -26.3554

Details

The XYZ color **51.6700, 55.9784, 99.3484** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **66.6553, 65.0516, 39.1820**, and the grayscale version is **50.5080, 53.1384, 57.8677**.

A 20% lighter version of the original color is **80.3883, 92.4416, 108.2138**, and **25.2573, 27.6162, 55.0382** is the 20% darker color. If you saturate the color by 10%, you get **44.5958, 48.1375, 98.2088**, and if you desaturate by 10%, it is **59.9837, 64.8162, 100.6171**.

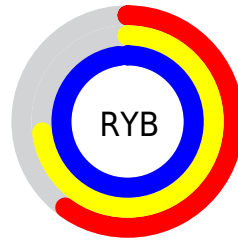
Distribution



Red (60%)

Green (79%)

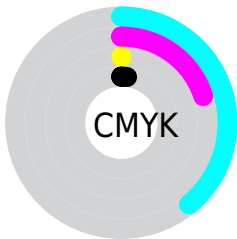
Blue (98%)



Red (60%)

Yellow (73%)

Blue (98%)

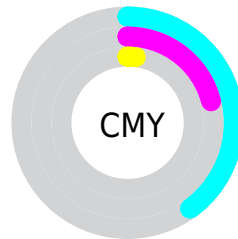


Cyan (39%)

Magenta (20%)

Yellow (0%)

Black (2%)



Cyan (40%)

Magenta (21%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.6700, 55.9784, 99.3484 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 51.6700, 55.9784, 99.3484 by changing the saturation by 10% instead.

■ 51.6700, 55.9784,
99.3484

■ 51.6700, 55.9784,
99.3484

383.5062,
409.6101, 579.3304

■ 36.9653, 40.1856,
75.1426

■ 91.8215, 98.9730,
162.3055

■ 25.3542, 27.6833,
55.2273

■ 117.9990,
126.9436, 201.8939

■ 16.4713, 18.0871,
39.1839

148.7315,
159.7422, 247.4469

■ 9.9512, 11.0125,
26.5939

184.3843,
197.7533, 299.3831

■ 5.4286, 6.0752,
17.0387

225.3229,
241.3613, 358.1210

■ 2.5382, 2.8909,
10.0999

271.9125,

■ 0.9146, 1.0750,

290.9504, 424.0792

5.3587

324.5185,
346.9053, 497.6761

■ 0.0000, 0.0000,
2.3969

■ 0.0000, 0.0000,
0.7847

■ 51.6700, 55.9784,
99.3484

■ 51.6700, 55.9784,
99.3484

■ 44.5958, 48.1375,
98.2088

■ 59.9837, 64.8162,
100.6171

■ 38.6870, 41.2434,
97.1895

■ 69.5945, 74.6851,
102.0154

■ 33.8693, 35.2501,
96.2866

■ 80.5625, 85.6251,
103.5490

■ 30.0567, 30.1042,
95.4943

■ 92.9426, 97.6722,
105.2218

■ 27.1477, 25.7440,
94.8060

94.4128, 99.7451,
105.5444

■ 24.9941, 22.0831,
94.2129

■ 24.8102, 21.7599,
94.1602

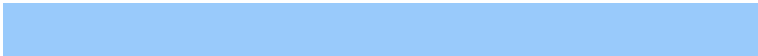
Harmonies

Analogous

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



46.5182, 55.9784, 90.5454



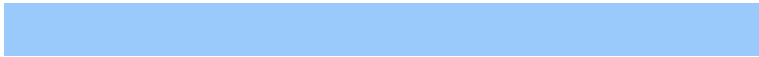
51.6700, 55.9784, 99.3484



57.6260, 55.9784, 96.4518

Triad

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



51.6700, 55.9784, 99.3484



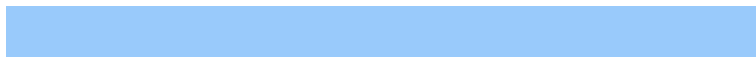
64.4740, 55.9784, 49.4391



44.7001, 55.9784, 43.0456

Complementary

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



51.6700, 55.9784, 99.3484



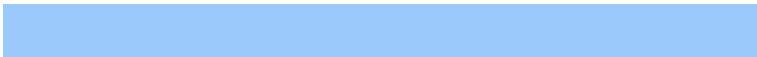
66.6553, 65.0516, 39.1820

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.



49.0176, 55.9784, 35.4445



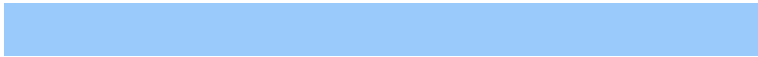
51.6700, 55.9784, 99.3484



60.5055, 55.9784, 38.6298

Square

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



51.6700, 55.9784, 99.3484



65.3158, 55.9784, 65.5011



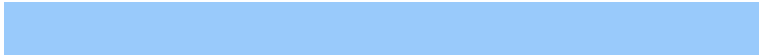
54.7717, 55.9784, 33.9933



42.6935, 55.9784, 56.6166

Rectangle

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



51.6700, 55.9784, 99.3484



61.2322, 55.9784, 88.4826



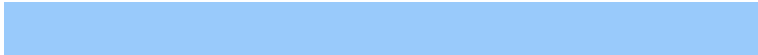
54.7717, 55.9784, 33.9933



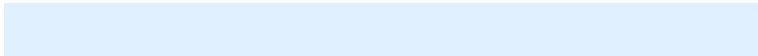
45.9133, 55.9784, 39.8198

Sweetspot

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



51.6718, 55.9805, 99.3497



79.9865, 85.2751, 106.8517



58.1038, 79.9553, 67.2408



16.7968, 17.9307, 22.8256



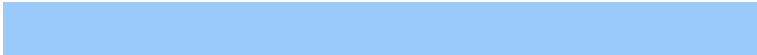
0.0000, 0.0000, 0.0000



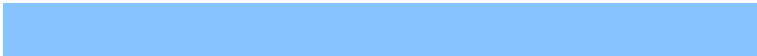
20.3446, 21.4041, 23.3091

Same Dimension

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



51.6718, 55.9805, 99.3497



47.5979, 51.4476, 102.0294



42.2116, 37.0601, 96.1963



17.0001, 18.0770, 21.9785



13.1868, 11.7291, 49.5425



1.3273, 1.2983, 4.6238

Inverse Universe

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



61.8371, 47.5578, 61.7997



59.7838, 42.5734, 56.7413



79.5238, 90.7886, 43.4715



17.6066, 17.3700, 19.7840



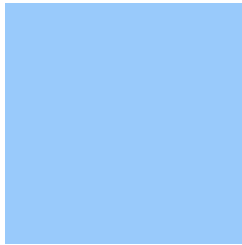
22.9481, 11.5950, 11.7011



2.1789, 1.0953, 1.3655

Previews

White Background



This preview shows how the XYZ color 51.6700, 55.9784, 99.3484 looks on a white background.

Color Contrast Check

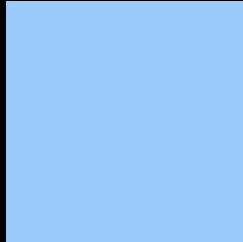
Large Text (above 18pt) WCAG AA × Fail

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 51.6700, 55.9784, 99.3484 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

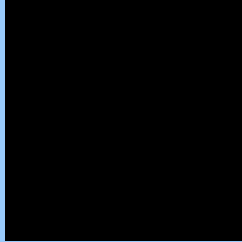
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

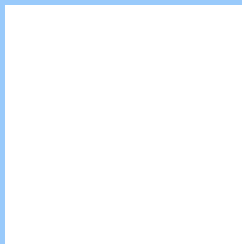
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.6700, 55.9784, 99.3484

Background



This preview shows how black text looks on a background with the XYZ color 51.6700, 55.9784, 99.3484.



This preview shows how white text looks on a background with the XYZ color 51.6700, 55.9784,

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

51.6700, 55.9784, 99.3484

Protanopia

55.9168, 55.8744, 95.0265

Deuteranopia

57.0493, 55.6709, 100.6672



Tritanopia

47.4862, 56.0644, 78.1308

Trichromacy



Original Color

51.6700, 55.9784, 99.3484

Protanomaly

54.3709, 56.0497, 96.7600

Deuteranomaly

54.7662, 55.5068, 99.9229

Tritanomaly

48.9337, 55.9354, 85.3083

Monochromacy



Original Color

51.6700, 55.9784, 99.3484

Achromatopsia

50.6879, 53.3276, 58.0738

Achromatomaly

50.2376, 53.7999, 71.3549

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.6700, 55.9784, 99.3484 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, 202, 251)` looks like.

```
.text, #text, p{  
    color:rgb(153, 202, 251)  
}
```

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, 202, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 202, 251) }
```

Border

The CSS property to change the border of an element to XYZ 51.6700, 55.9784, 99.3484 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, 202, 251) }
```


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

```
.border{ border-color:rgb(153, 202, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 202, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 202, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 202, 251);  
box-shadow:4px 4px 4px 4px rgb(153, 202,  
251) }
```

Background

The CSS property to change the background color of an element to XYZ 51.6700, 55.9784, 99.3484 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 202, 251) }
```

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

```
.background{ background-color: rgb(153,  
202, 251) }
```

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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