

Converting Colors

XYZ(53.9888, 54.8101,
120.5269)

Have a look what the booklet for
XYZ(53.9888, 54.8101, 120.5269)
contains.

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Color

**XYZ(50.3676, 53.1839,
102.2186)**

Conversions

Conversions Part 1

Format	Color
Hex	96C4FF
RGB	150, 196, 255
RGB Percent	59%, 77%, 100%
CMY	0.4117, 0.2314, 0.0000
CMYK	0.41, 0.23, 0.00, 0.00
HSL	214°, 100%, 79%
HSV	214°, 41%, 100%
XYZ	50.3676, 53.1839, 102.2186
YIQ	188.9720, -46.3550, 8.5970

Conversions

Conversions Part 2

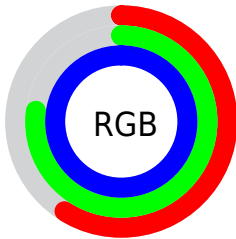
Format	Color
R_{YB}	150, 182, 255
Decimal	9880831
CIE _{Lab}	77.98, -0.49, -33.79
CIE _{LCh}	78, 33.796, 269.174
Yxy	53.1839, 0.2448, 0.2585
Android (android.graphics.Color)	4288070911 (0xFF96C4FF)
YUV	188.9720, 32.5518, -34.1784
Hunter-Lab	72.9273, -4.3408, -32.0548

Details

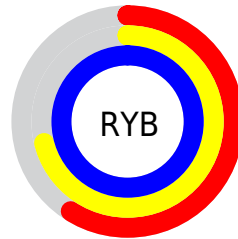
The XYZ color **50.3676, 53.1839, 102.2186** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **69.5461, 69.0637, 38.5212**, and the grayscale version is **48.1940, 50.7039, 55.2165**.

A 20% lighter version of the original color is **78.5925, 90.1062, 107.8577**, and **24.4821, 25.8029, 57.1162** is the 20% darker color. If you saturate the color by 10%, you get **43.0968, 44.8657, 100.9962**, and if you desaturate by 10%, it is **58.9712, 62.6496, 103.5922**.

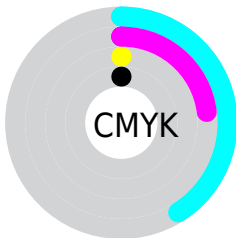
Distribution



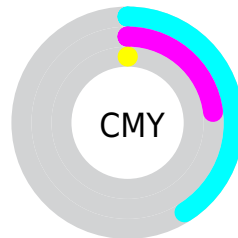
- Red (59%)
- Green (77%)
- Blue (100%)



- Red (59%)
- Yellow (71%)
- Blue (100%)



- Cyan (41%)
- Magenta (23%)
- Yellow (0%)
- Black (0%)



- Cyan (41%)
- Magenta (23%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.3676, 53.1839, 102.2186 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 50.3676, 53.1839, 102.2186 by changing the saturation by 10% instead.

■ 50.3676, 53.1839,
102.2186

■ 50.3676, 53.1839,
102.2186

378.5300,
398.9903, 588.5898

■ 35.9246, 37.9496,
77.5275

■ 89.9079, 94.8749,
166.2811

■ 24.5458, 25.9436,
57.1718

■ 115.7358,
122.1004, 206.4896

■ 15.8659, 16.7814,
40.7329

146.0894,
154.0918, 252.7076

■ 9.5196, 10.0788,
27.7923

181.3340,
191.2334, 305.3538

■ 5.1414, 5.4512,
17.9315

221.8351,
233.9097, 364.8465

■ 2.3661, 2.5144,
10.7319

267.9578,

■ 0.8282, 0.8838,

282.5050, 431.6044

5.7749

320.0677,
337.4037, 506.0460

■ 0.0000, 0.0000,
2.6422

■ 0.0000, 0.0000,
0.9141

■ 50.3676, 53.1839,
102.2186

■ 50.3676, 53.1839,
102.2186

■ 43.0968, 44.8657,
100.9962

■ 58.9712, 62.6496,
103.5922

■ 37.0784, 37.6375,
99.9183

■ 68.9720, 73.3050,
105.1218

■ 32.2303, 31.4447,
98.9785

■ 80.4356, 85.1967,
106.8129

■ 28.4569, 26.2240,
98.1696

■ 93.4219, 98.3671,
108.6706

■ 25.6451, 21.9024,
97.4837

95.0500, 100.0000,
108.9000

■ 23.8129, 18.7458,
96.9710

Harmonies

Analogous

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



44.3398, 53.1839, 94.9284



50.3676, 53.1839, 102.2186



56.9712, 53.1839, 95.6561

Triad

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



50.3676, 53.1839, 102.2186



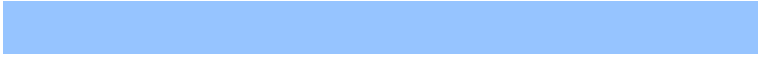
62.4206, 53.1839, 41.9805



40.4451, 53.1839, 41.2549

Complementary

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



50.3676, 53.1839, 102.2186



69.5461, 69.0637, 38.5212

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.



44.6298, 53.1839, 31.6830



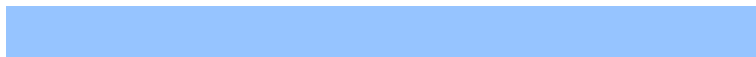
50.3676, 53.1839, 102.2186



57.3139, 53.1839, 32.0336

Square

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



50.3676, 53.1839, 102.2186



64.2846, 53.1839, 58.4319



50.7322, 53.1839, 28.7089



38.9253, 53.1839, 57.3876

Rectangle

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



50.3676, 53.1839, 102.2186



60.7403, 53.1839, 84.9729



50.7322, 53.1839, 28.7089



41.5678, 53.1839, 37.3034

Sweetspot

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



50.3692, 53.1858, 102.2189



79.4327, 84.1674, 106.6671



59.6932, 82.5463, 72.3016



16.6666, 17.6704, 22.7823



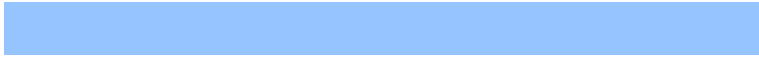
0.0000, 0.0000, 0.0000



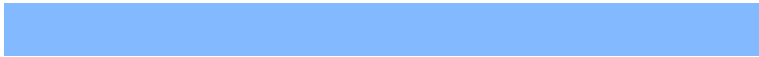
20.3446, 21.4041, 23.3091

Same Dimension

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



50.3692, 53.1858, 102.2189



44.5689, 46.5803, 101.2496



42.5235, 36.0279, 99.3206



17.6578, 18.6871, 22.9263



12.5853, 10.0803, 50.7170



1.3319, 1.1945, 4.9736

Inverse Universe

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



62.1113, 47.0598, 58.0364



57.9642, 40.7325, 50.5904



80.6003, 94.0000, 42.7518



18.3399, 18.1193, 20.4071



23.1407, 11.7456, 9.3913



2.3069, 1.1651, 1.1975

Previews

White Background



This preview shows how the XYZ color 50.3676, 53.1839, 102.2186 looks on a white background.

Color Contrast Check

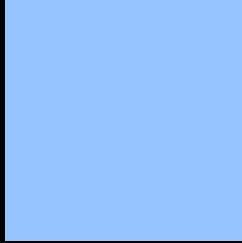
Large Text (above 18pt) WCAG AA × Fail

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 50.3676, 53.1839, 102.2186 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

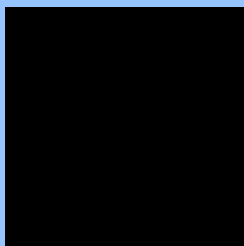
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

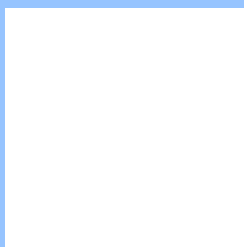
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.3676, 53.1839, 102.2186

Background



This preview shows how black text looks on a background with the XYZ color 50.3676, 53.1839, 102.2186.



This preview shows how white text looks on a background with the XYZ color 50.3676, 53.1839,

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

50.3676, 53.1839, 102.2186

Protanopia

53.7305, 53.0221, 98.6692

Deuteranopia

54.1521, 52.8453, 101.9538



Tritanopia

44.9573, 53.4018, 74.9559

Trichromacy



Original Color

50.3676, 53.1839, 102.2186

Protanomaly

52.3567, 52.9430, 99.5550

Deuteranomaly

52.8360, 53.1348, 102.0790

Tritanomaly

46.7214, 53.0640, 84.1238

Monochromacy



Original Color

50.3676, 53.1839, 102.2186

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

48.5391, 51.6173, 70.3556

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.3676, 53.1839, 102.2186 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(150, 196, 255)` looks like.

```
.text, #text, p{  
    color:rgb(150, 196, 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(150, 196, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 196, 255) }
```

Border

The CSS property to change the border of an element to XYZ 50.3676, 53.1839, 102.2186 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(150, 196, 255) }
```


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

```
.border{ border-color:rgb(150, 196, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 196, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 196, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 196, 255);  
box-shadow:4px 4px 4px 4px rgb(150, 196,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 50.3676, 53.1839, 102.2186 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 196, 255) }
```

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

```
.background{ background-color: rgb(150,  
196, 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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