

Converting Colors

XYZ(51.0310, 56.6813,
113.9785)

Have a look what the booklet for
XYZ(51.0310, 56.6813, 113.9785)
contains.

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Color

**XYZ(49.0234, 55.9518,
102.8237)**

Conversions

Conversions Part 1

Format	Color
Hex	80CEFF
RGB	128, 206, 255
RGB Percent	50%, 81%, 100%
CMY	0.4980, 0.1921, 0.0000
CMYK	0.50, 0.19, 0.00, 0.00
HSL	203°, 100%, 75%
HSV	203°, 50%, 100%
XYZ	49.0234, 55.9518, 102.8237
YIQ	188.2640, -62.2170, -1.2970

Conversions

Conversions Part 2

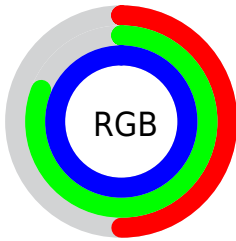
Format	Color
R _Y B	128, 176, 255
Decimal	8441599
CIE Lab	79.59, -11.03, -31.41
CIE LCh	80, 33.294, 250.656
Yxy	55.9518, 0.2359, 0.2693
Android (android.graphics.Color)	4286631679 (0xFF80CEFF)
YUV	188.2640, 32.9008, -52.8515
Hunter-Lab	74.8009, -13.9154, -29.1412

Details

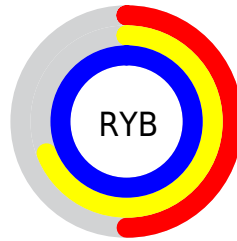
The XYZ color **49.0234, 55.9518, 102.8237** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **60.8594, 54.2641, 27.6905**, and the grayscale version is **47.7958, 50.2849, 54.7602**.

A 20% lighter version of the original color is **74.3035, 89.3048, 107.9291**, and **23.7360, 27.7270, 57.5269** is the 20% darker color. If you saturate the color by 10%, you get **43.3641, 49.6287, 101.9015**, and if you desaturate by 10%, it is **55.7979, 63.0722, 103.8410**.

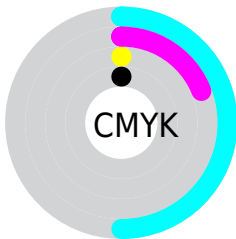
Distribution



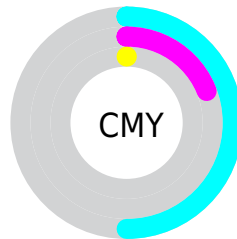
- Red (50%)
- Green (81%)
- Blue (100%)



- Red (50%)
- Yellow (69%)
- Blue (100%)



- Cyan (50%)
- Magenta (19%)
- Yellow (0%)
- Black (0%)



- Cyan (50%)
- Magenta (19%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.0234, 55.9518, 102.8237 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 49.0234, 55.9518, 102.8237 by changing the saturation by 10% instead.

■ 49.0234, 55.9518,
102.8237

■ 49.0234, 55.9518,
102.8237

373.3499,
409.5098, 590.5321

■ 34.8527, 40.1643,
78.0308

■ 87.9267, 98.9341,
167.1178

■ 23.7154, 27.6667,
57.5827

■ 113.3900,
126.8977, 207.4562

■ 15.2462, 18.0745,
41.0608

■ 143.3482,
159.6887, 253.8134

■ 9.0798, 11.0035,
28.0465

178.1666,
197.6916, 306.6081

■ 4.8508, 6.0692,
18.1214

218.2106,
241.2908, 366.2588

■ 2.1938, 2.8872,
10.8668

263.8456,

■ 0.7395, 1.0731,

290.8706, 433.1840

5.8643

315.4369,
346.8155, 507.8022

■ 0.0000, 0.0000,
2.6953

■ 0.0000, 0.0000,
0.9411

■ 49.0234, 55.9518,
102.8237

■ 49.0234, 55.9518,
102.8237

■ 43.3641, 49.6287,
101.9015

■ 55.7979, 63.0722,
103.8410

■ 38.7388, 44.0535,
101.0692

■ 63.7512, 71.0232,
104.9566

■ 35.0621, 39.1794,
100.3222

■ 72.9477, 79.8429,
106.1742

■ 32.2308, 34.9489,
99.6548

■ 83.4455, 89.5649,
107.4974

■ 30.0814, 31.2734,
99.0586

95.0500, 100.0000,
108.9000

■ 30.0421, 31.2042,
99.0474

Harmonies

Analogous

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



43.9872, 55.9518, 88.2835



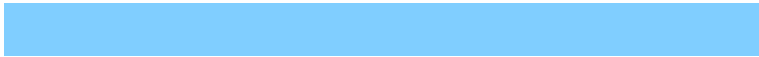
49.0234, 55.9518, 102.8237



55.6004, 55.9518, 104.8894

Triad

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



49.0234, 55.9518, 102.8237



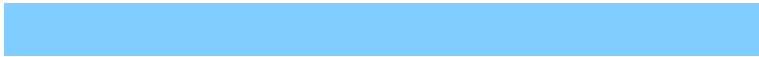
66.8835, 55.9518, 54.3461



45.2152, 55.9518, 36.9847

Complementary

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



49.0234, 55.9518, 102.8237



60.8594, 54.2641, 27.6905

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.



50.8319, 55.9518, 31.3632



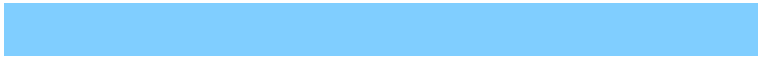
49.0234, 55.9518, 102.8237



63.5730, 55.9518, 39.8932

Square

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



49.0234, 55.9518, 102.8237



66.2963, 55.9518, 73.9887



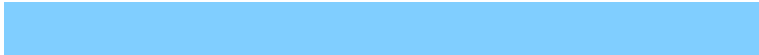
57.5662, 55.9518, 32.3022



41.9198, 55.9518, 49.4921

Rectangle

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



49.0234, 55.9518, 102.8237



60.0288, 55.9518, 98.5245



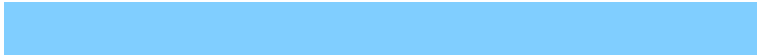
57.5662, 55.9518, 32.3022



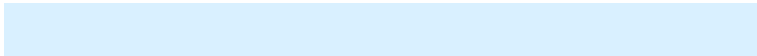
46.8739, 55.9518, 34.3595

Sweetspot

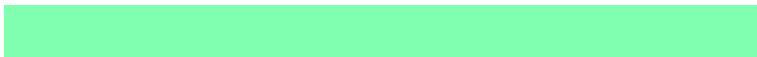
The Sweet Spot groups the original color and five complimentary colors.



49.0251, 55.9538, 102.8240



77.8225, 84.3964, 106.7962



52.5676, 79.2715, 53.9619



16.1911, 17.6309, 22.7997



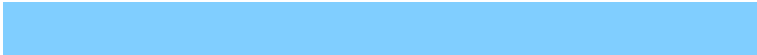
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



49.0251, 55.9538, 102.8240



43.2626, 49.5109, 101.8841



36.7487, 31.4012, 98.7319



17.9319, 19.2354, 23.0176



15.8468, 16.6031, 51.8041



1.6489, 1.8285, 5.0793

Inverse Universe

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



60.1009, 41.1563, 63.1708



55.9517, 34.7469, 55.9642



76.3510, 85.2473, 32.8544



18.4783, 18.1746, 21.1357



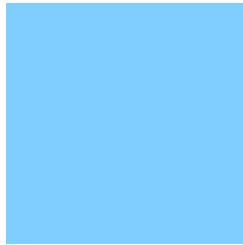
24.7869, 12.4041, 18.0602



2.4669, 1.2291, 2.0401

Previews

White Background



This preview shows how the XYZ color 49.0234, 55.9518, 102.8237 looks on a white background.

Color Contrast Check

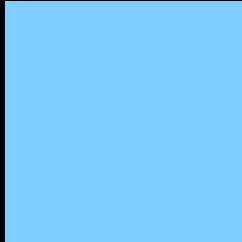
Large Text (above 18pt) WCAG AA × Fail

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 49.0234, 55.9518, 102.8237 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

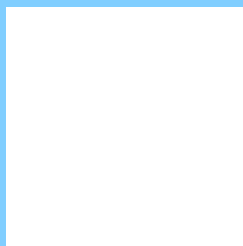
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.0234, 55.9518, 102.8237

Background



This preview shows how black text looks on a background with the XYZ color 49.0234, 55.9518, 102.8237.

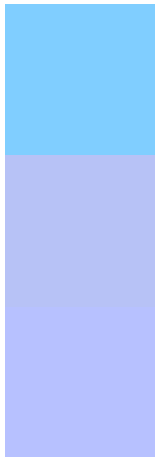


This preview shows how white text looks on a background with the XYZ color 49.0234, 55.9518,

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

49.0234, 55.9518, 102.8237

Protanopia

55.4548, 55.3047, 94.9409

Deuteranopia

56.6484, 55.4272, 102.3206



Tritanopia

44.9056, 56.1119, 81.8627

Trichromacy



Original Color

49.0234, 55.9518, 102.8237

Protanomaly

52.3972, 55.0143, 97.4797

Deuteranomaly

53.3483, 55.3947, 102.4882

Tritanomaly

46.2591, 55.9116, 89.2428

Monochromacy



Original Color

49.0234, 55.9518, 102.8237

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

47.1247, 51.8907, 69.8195

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.0234, 55.9518, 102.8237 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(128, 206, 255)` looks like.

```
.text, #text, p{  
    color:rgb(128, 206, 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(128, 206, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 206, 255) }
```

Border

The CSS property to change the border of an element to XYZ 49.0234, 55.9518, 102.8237 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(128, 206, 255) }
```


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

```
.border{ border-color:rgb(128, 206, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 206, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 206, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 206, 255);  
box-shadow:4px 4px 4px 4px rgb(128, 206,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 49.0234, 55.9518, 102.8237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 206, 255) }
```

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

```
.background{ background-color: rgb(128,  
206, 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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