

Converting Colors

XYZ(59.0103, 58.0521,
153.2212)

Have a look what the booklet for
XYZ(59.0103, 58.0521, 153.2212)
contains.

XYZ(49.1855, 53.9318, 102.4253)	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(49.1855, 53.9318,
102.4253)**

Conversions

Conversions Part 1

Format	Color
Hex	8AC8FF
RGB	138, 200, 255
RGB Percent	54%, 78%, 100%
CMY	0.4588, 0.2157, 0.0000
CMYK	0.46, 0.22, 0.00, 0.00
HSL	208°, 100%, 77%
HSV	208°, 46%, 100%
XYZ	49.1855, 53.9318, 102.4253
YIQ	187.7320, -54.6070, 3.9610

Conversions

Conversions Part 2

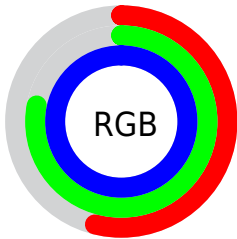
Format	Color
R_{YB}	138, 179, 255
Decimal	9095423
CIE _{Lab}	78.42, -5.57, -33.17
CIE _{LCh}	78, 33.633, 260.471
Yxy	53.9318, 0.2393, 0.2624
Android (android.graphics.Color)	4287285503 (0xFF8AC8FF)
YUV	187.7320, 33.1631, -43.6150
Hunter-Lab	73.4383, -8.9661, -31.2857

Details

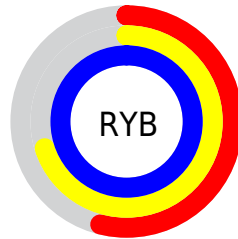
The XYZ color **49.1855, 53.9318, 102.4253** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **64.8983, 61.2360, 32.4460**, and the grayscale version is **47.4896, 49.9627, 54.4094**.

A 20% lighter version of the original color is **76.5750, 90.4758, 108.0354**, and **23.7802, 26.3405, 57.2569** is the 20% darker color. If you saturate the color by 10%, you get **42.7832, 46.6713, 101.3613**, and if you desaturate by 10%, it is **56.7990, 62.1420, 103.6087**.

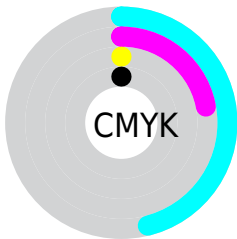
Distribution



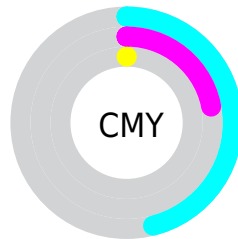
- Red (54%)
- Green (78%)
- Blue (100%)



- Red (54%)
- Yellow (70%)
- Blue (100%)



- Cyan (46%)
- Magenta (22%)
- Yellow (0%)
- Black (0%)



- Cyan (46%)
- Magenta (22%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.1855, 53.9318, 102.4253 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 49.1855, 53.9318, 102.4253 by changing the saturation by 10% instead.

■ 49.1855, 53.9318,
102.4253

■ 49.1855, 53.9318,
102.4253

373.9770,
401.8499, 589.2537

■ 34.9818, 38.5471,
77.6994

■ 88.1660, 95.9741,
166.5670

■ 23.8153, 26.4076,
57.3121

■ 113.6734,
123.4005, 206.8199

■ 15.3207, 17.1288,
40.8448

143.6795,
155.6097, 253.0855

■ 9.1325, 10.3264,
27.8791

178.5496,
192.9859, 305.7824

■ 4.8855, 5.6159,
17.9963

218.6491,
235.9137, 365.3291

■ 2.2143, 2.6130,
10.7779

264.3432,

■ 0.7503, 0.9332,

284.7773, 432.1442

5.8054

315.9974,
339.9613, 506.6462

■ 0.0000, 0.0000,
2.6602

■ 0.0000, 0.0000,
0.9233

■ 49.1855, 53.9318,
102.4253

■ 49.1855, 53.9318,
102.4253

■ 42.7832, 46.6713,
101.3613

■ 56.7990, 62.1420,
103.6087

■ 37.5120, 40.3086,
100.4110

■ 65.6871, 71.3385,
104.9154

■ 33.2887, 34.7942,
99.5692

■ 75.9144, 81.5626,
106.3498

■ 30.0149, 30.0695,
98.8298

■ 87.5394, 92.8510,
107.9160

■ 27.5696, 26.0639,
98.1855

95.0500, 100.0000,
108.9000

■ 26.7321, 24.5842,
97.9440

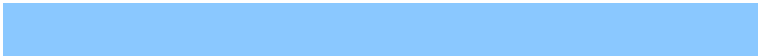
Harmonies

Analogous

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



43.5902, 53.9318, 91.5052



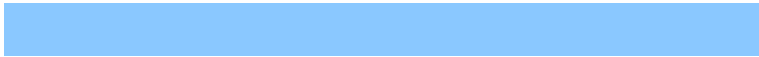
49.1855, 53.9318, 102.4253



55.8348, 53.9318, 99.8444

Triad

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



49.1855, 53.9318, 102.4253



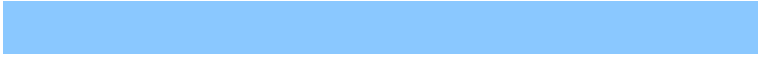
64.1117, 53.9318, 46.8913



42.0702, 53.9318, 38.4707

Complementary

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



49.1855, 53.9318, 102.4253



64.8983, 61.2360, 32.4460

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.



46.9432, 53.9318, 30.7994



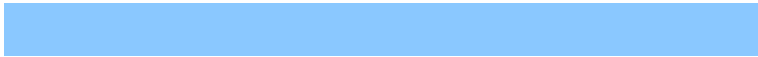
49.1855, 53.9318, 102.4253



59.7817, 53.9318, 34.8863

Square

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



49.1855, 53.9318, 102.4253



64.8425, 53.9318, 64.9558



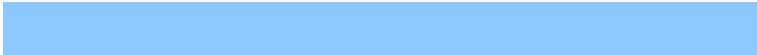
53.3932, 53.9318, 29.6458



39.7214, 53.9318, 52.9014

Rectangle

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



49.1855, 53.9318, 102.4253



59.9594, 53.9318, 90.9888



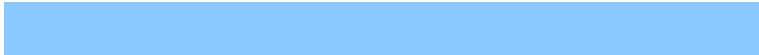
53.3932, 53.9318, 29.6458



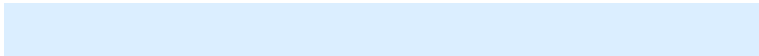
43.4466, 53.9318, 35.1590

Sweetspot

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



49.1871, 53.9337, 102.4256



77.9919, 83.6028, 106.6341



55.8235, 80.7563, 62.8654



16.1841, 17.3940, 22.7543



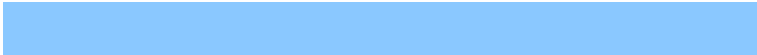
0.0000, 0.0000, 0.0000



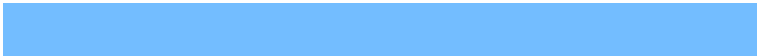
20.3446, 21.4041, 23.3091

Same Dimension

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



49.1871, 53.9337, 102.4256



43.3003, 47.2738, 101.4503



38.1910, 31.9415, 98.7602



17.7999, 18.9715, 22.9737



14.1190, 13.1476, 51.2282



1.4841, 1.4990, 5.0244

Inverse Universe

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



60.7549, 43.6087, 59.8607



56.5353, 37.1417, 52.3741



80.3563, 92.1521, 37.5987



18.4117, 18.1480, 20.7849



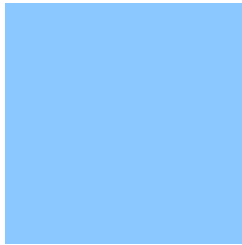
23.9148, 12.0552, 13.4678



2.3837, 1.1959, 1.6022

Previews

White Background



This preview shows how the XYZ color 49.1855, 53.9318, 102.4253 looks on a white background.

Color Contrast Check

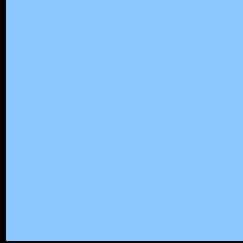
Large Text (above 18pt) WCAG AA × Fail

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 49.1855, 53.9318, 102.4253 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

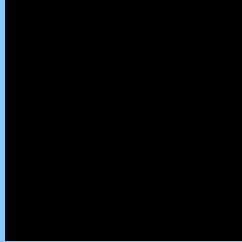
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

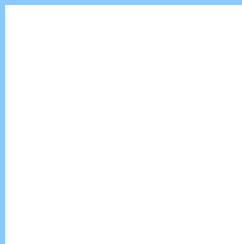
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.1855, 53.9318, 102.4253

Background



This preview shows how black text looks on a background with the XYZ color 49.1855, 53.9318, 102.4253.

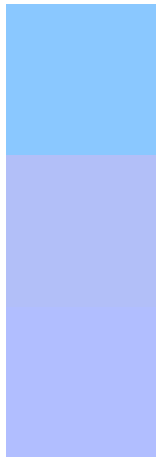


This preview shows how white text looks on a background with the XYZ color 49.1855, 53.9318,

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

49.1855, 53.9318, 102.4253

Protanopia

53.9342, 53.5039, 96.2916

Deuteranopia

54.5949, 53.3940, 102.0364



Tritanopia

44.1582, 54.0057, 77.2040

Trichromacy



Original Color

49.1855, 53.9318, 102.4253

Protanomaly

51.8086, 53.3351, 98.8309

Deuteranomaly

52.4460, 53.5901, 102.1875

Tritanomaly

45.9599, 54.0318, 85.8487

Monochromacy



Original Color

49.1855, 53.9318, 102.4253

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

47.3109, 50.9988, 69.6376

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.1855, 53.9318, 102.4253 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(138, 200, 255)` looks like.

```
.text, #text, p{  
    color:rgb(138, 200, 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(138, 200, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 200, 255) }
```

Border

The CSS property to change the border of an element to XYZ 49.1855, 53.9318, 102.4253 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(138, 200, 255) }
```


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

```
.border{ border-color:rgb(138, 200, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 200, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 200, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 200, 255);  
box-shadow:4px 4px 4px 4px rgb(138, 200,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 49.1855, 53.9318, 102.4253 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 200, 255) }
```

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

```
.background{ background-color: rgb(138,  
200, 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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