

Converting Colors

XYZ(49.9418, 55.4849,
102.4228)

Have a look what the booklet for
XYZ(49.9418, 55.4849, 102.4228)
contains.

XYZ(49.8872, 55.3351, 102.6592)	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(49.8872, 55.3351,
102.6592)**

Conversions

Conversions Part 1

Format	Color
Hex	8ACBFF
RGB	138, 203, 255
RGB Percent	54%, 80%, 100%
CMY	0.4588, 0.2039, 0.0000
CMYK	0.46, 0.20, 0.00, 0.00
HSL	207°, 100%, 77%
HSV	207°, 46%, 100%
XYZ	49.8872, 55.3351, 102.6592
YIQ	189.4930, -55.4320, 2.3920

Conversions

Conversions Part 2

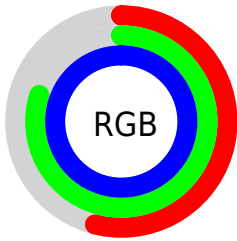
Format	Color
R _Y B	138, 180, 255
Decimal	9096191
CIE Lab	79.23, -7.17, -31.92
CIE LCh	79, 32.713, 257.344
Yxy	55.3351, 0.2400, 0.2662
Android (android.graphics.Color)	4287286271 (0xFF8ACBFF)
YUV	189.4930, 32.2950, -45.1594
Hunter-Lab	74.3876, -10.4692, -29.7524

Details

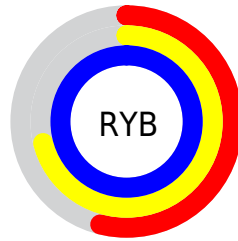
The XYZ color **49.8872, 55.3351, 102.6592** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **64.2419, 59.9231, 32.2273**, and the grayscale version is **48.4971, 51.0227, 55.5637**.

A 20% lighter version of the original color is **76.5750, 90.4758, 108.0354**, and **24.2488, 27.2776, 57.4131** is the 20% darker color. If you saturate the color by 10%, you get **43.5738, 48.2525, 101.6248**, and if you desaturate by 10%, it is **57.3898, 63.3236, 103.8056**.

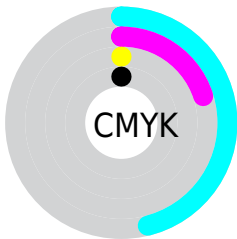
Distribution



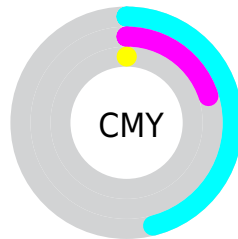
- Red (54%)
- Green (80%)
- Blue (100%)



- Red (54%)
- Yellow (71%)
- Blue (100%)



- Cyan (46%)
- Magenta (20%)
- Yellow (0%)
- Black (0%)



- Cyan (46%)
- Magenta (20%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.8872, 55.3351, 102.6592 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 49.8872, 55.3351, 102.6592 by changing the saturation by 10% instead.

■ 49.8872, 55.3351,
102.6592

■ 49.8872, 55.3351,
102.6592

376.6839,
407.1809, 590.0044

■ 35.5412, 39.6701,
77.8940

■ 89.2005, 98.0318,
166.8904

■ 24.2485, 27.2814,
57.4710

■ 114.8986,
125.8322, 207.1935

■ 15.6438, 17.7847,
40.9716

145.1114,
158.4465, 253.5129

■ 9.3617, 10.7955,
27.9774

180.2043,
196.2592, 306.2672

■ 5.0368, 5.9295,
18.0697

220.5427,
239.6546, 365.8750

■ 2.3039, 2.8023,
10.8301

266.4918,

■ 0.7966, 1.0294,

289.0171, 432.7548

5.8400

318.4171,
344.7310, 507.3251

0.0000, 0.0000,
2.6808

0.0000, 0.0000,
0.9337

49.8872, 55.3351,
102.6592

49.8872, 55.3351,
102.6592

43.5738, 48.2525,
101.6248

57.3898, 63.3236,
103.8056

38.3703, 42.0251,
100.6971

66.1442, 72.2527,
105.0677

34.1944, 36.6055,
99.8711

76.2143, 82.1623,
106.4497

30.9484, 31.9366,
99.1410

87.6579, 93.0878,
107.9554

■ 28.5125, 27.9497, 95.0500, 100.0000,
98.4998 108.9000

■ 27.6737, 26.4673,
98.2579

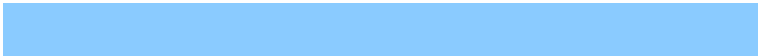
Harmonies

Analogous

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



44.5260, 55.3351, 90.8041



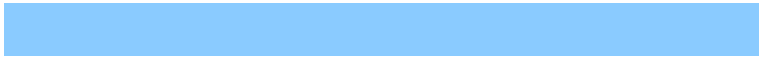
49.8872, 55.3351, 102.6592



56.4325, 55.3351, 101.5755

Triad

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



49.8872, 55.3351, 102.6592



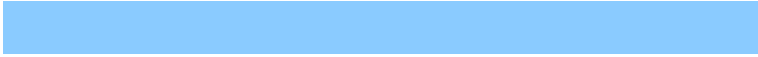
65.5328, 55.3351, 50.1404



43.8784, 55.3351, 38.9954

Complementary

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



49.8872, 55.3351, 102.6592



64.2419, 59.9231, 32.2273

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.



48.9343, 55.3351, 31.9993



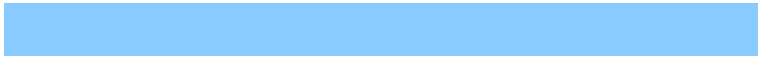
49.8872, 55.3351, 102.6592



61.5828, 55.3351, 37.4577

Square

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



49.8872, 55.3351, 102.6592



65.8415, 55.3351, 68.4900



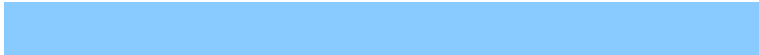
55.3977, 55.3351, 31.5019



41.2551, 55.3351, 52.6999

Rectangle

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



49.8872, 55.3351, 102.6592



60.5964, 55.3351, 93.6536



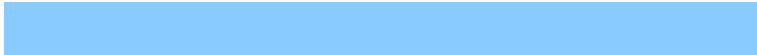
55.3977, 55.3351, 31.5019



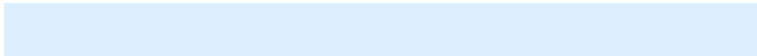
45.3298, 55.3351, 35.9165

Sweetspot

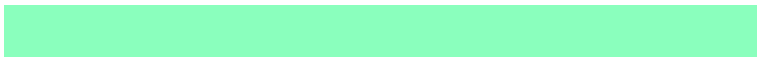
The Sweet Spot groups the original color and five complimentary colors.



49.8888, 55.3371, 102.6594



78.2594, 84.1379, 106.7233



55.3953, 80.5850, 60.6102



16.2493, 17.5243, 22.7761



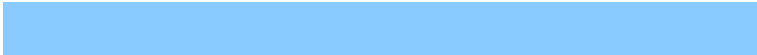
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



49.8888, 55.3371, 102.6594



44.0839, 48.8409, 101.7115



38.7811, 33.1215, 98.9569



17.8399, 19.0515, 22.9870



14.6115, 14.1325, 51.3923



1.5317, 1.5941, 5.0402

Inverse Universe

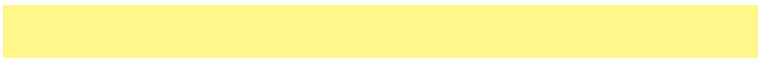
The Inverse Universe completely reimagines the original color for something new.



61.1091, 43.7505, 61.7257



56.9308, 37.3000, 54.4568



79.1499, 89.7393, 37.1967



18.4319, 18.1561, 20.8913



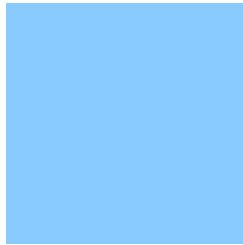
24.1634, 12.1546, 14.7767



2.4077, 1.2055, 1.7285

Previews

White Background



This preview shows how the XYZ color 49.8872, 55.3351, 102.6592 looks on a white background.

Color Contrast Check

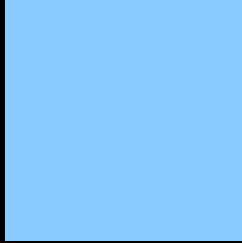
Large Text (above 18pt) WCAG AA × Fail

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 49.8872, 55.3351, 102.6592 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

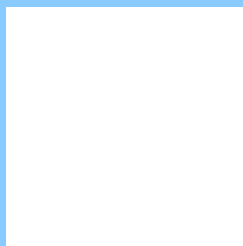
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.8872, 55.3351, 102.6592

Background



This preview shows how black text looks on a background with the XYZ color 49.8872, 55.3351, 102.6592.



This preview shows how white text looks on a background with the XYZ color 49.8872, 55.3351,

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

49.8872, 55.3351, 102.6592

Protanopia

55.3046, 54.8623, 96.4816

Deuteranopia

55.9557, 54.7430, 102.2250



Tritanopia

45.1997, 55.2151, 79.5095

Trichromacy



Original Color

49.8872, 55.3351, 102.6592

Protanomaly

53.1047, 55.0045, 99.0848

Deuteranomaly

53.3070, 54.6992, 102.3562

Tritanomaly

46.7273, 55.1043, 87.5303

Monochromacy



Original Color

49.8872, 55.3351, 102.6592

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

47.8796, 51.9337, 70.4515

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.8872, 55.3351, 102.6592 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, 203, 255)` looks like.

```
.text, #text, p{  
    color:rgb(138, 203, 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, 203, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 203, 255) }
```

Border

The CSS property to change the border of an element to XYZ 49.8872, 55.3351, 102.6592 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, 203, 255) }
```


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

```
.border{ border-color:rgb(138, 203, 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, 203, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 203, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 203, 255);  
box-shadow:4px 4px 4px 4px rgb(138, 203,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 49.8872, 55.3351, 102.6592 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 203, 255) }
```

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

```
.background{ background-color: rgb(138,  
203, 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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