

Converting Colors

XYZ(50.1147, 55.8153,
102.6838)

Have a look what the booklet for
XYZ(50.1147, 55.8153, 102.6838)
contains.

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Color

**XYZ(50.1241, 55.8090,
102.7381)**

Conversions

Conversions Part 1

Format	Color
Hex	8ACCFE
RGB	138, 204, 255
RGB Percent	54%, 80%, 100%
CMY	0.4588, 0.2000, 0.0000
CMYK	0.46, 0.20, 0.00, 0.00
HSL	206°, 100%, 77%
HSV	206°, 46%, 100%
XYZ	50.1241, 55.8090, 102.7381
YIQ	190.0800, -55.7070, 1.8690

Conversions

Conversions Part 2

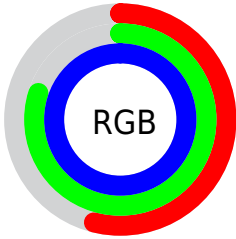
Format	Color
RYB	138, 180, 255
Decimal	9096447
CIELab	79.50, -7.70, -31.50
CIELCh	80, 32.428, 256.267
Yxy	55.8090, 0.2402, 0.2674
Android (android.graphics.Color)	4287286527 (0xFF8ACCF)
YUV	190.0800, 32.0056, -45.6742
Hunter-Lab	74.7054, -10.9687, -29.2444

Details

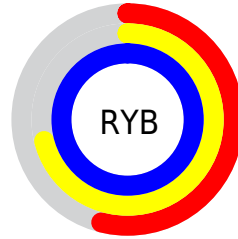
The XYZ color **50.1241, 55.8090, 102.7381** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **64.0259, 59.4912, 32.1552**, and the grayscale version is **48.8356, 51.3789, 55.9516**.

A 20% lighter version of the original color is **76.5750, 90.4758, 108.0354**, and **24.4077, 27.5954, 57.4661** is the 20% darker color. If you saturate the color by 10%, you get **43.8418, 48.7885, 101.7141**, and if you desaturate by 10%, it is **57.5886, 63.7212, 103.8719**.

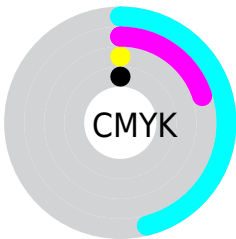
Distribution



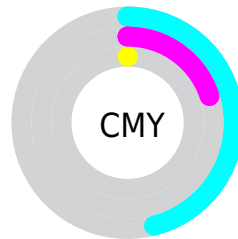
- Red (54%)
- Green (80%)
- Blue (100%)



- 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 50.1241, 55.8090, 102.7381 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 50.1241, 55.8090, 102.7381 by changing the saturation by 10% instead.

■ 50.1241, 55.8090,
102.7381

■ 50.1241, 55.8090,
102.7381

377.5950,
408.9713, 590.2575

■ 35.7302, 40.0498,
77.9596

■ 89.5494, 98.7253,
166.9995

■ 24.3951, 27.5774,
57.5246

■ 115.3116,
126.6511, 207.3195

■ 15.7532, 18.0073,
41.0144

145.5939,
159.4013, 253.6570

■ 9.4395, 10.9552,
28.0105

180.7617,
197.3603, 306.4307

■ 5.0883, 6.0367,
18.0945

221.1804,
240.9123, 366.0591

■ 2.3345, 2.8674,
10.8477

267.2153,

■ 0.8122, 1.0629,

290.4419, 432.9607

5.8516

319.2317,
346.3335, 507.5540

■ 0.0000, 0.0000,
2.6877

■ 0.0000, 0.0000,
0.9373

■ 50.1241, 55.8090,
102.7381

■ 50.1241, 55.8090,
102.7381

■ 43.8418, 48.7885,
101.7141

■ 57.5886, 63.7212,
103.8719

■ 38.6625, 42.6095,
100.7945

■ 66.2975, 72.5594,
105.1188

■ 34.5041, 37.2249,
99.9743

■ 76.3146, 82.3629,
106.4832

■ 31.2694, 32.5785,
99.2479

■ 87.6972, 93.1667,
107.9686

■ 28.8386, 28.6020, 95.0500, 100.0000,
98.6085 108.9000

■ 28.0003, 27.1206,
98.3668

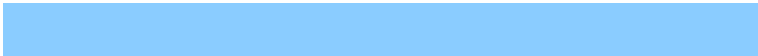
Harmonies

Analogous

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



44.8423, 55.8090, 90.5736



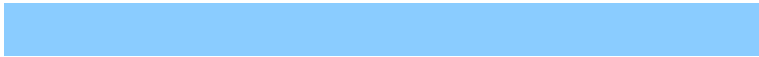
50.1241, 55.8090, 102.7381



56.6341, 55.8090, 102.1562

Triad

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



50.1241, 55.8090, 102.7381



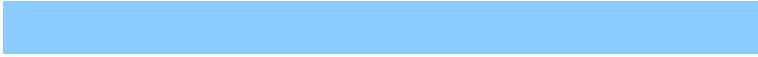
66.0115, 55.8090, 51.2549



44.4928, 55.8090, 39.1736

Complementary

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



50.1241, 55.8090, 102.7381



64.0259, 59.4912, 32.1552

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.



49.6104, 55.8090, 32.4076



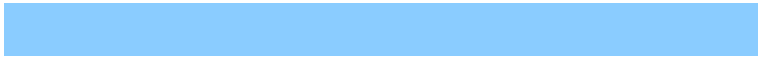
50.1241, 55.8090, 102.7381



62.1911, 55.8090, 38.3420

Square

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



50.1241, 55.8090, 102.7381



66.1775, 55.8090, 69.6942



56.0768, 55.8090, 32.1382



41.7756, 55.8090, 52.6358

Rectangle

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



50.1241, 55.8090, 102.7381



60.8110, 55.8090, 94.5518



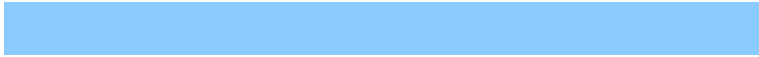
56.0768, 55.8090, 32.1382



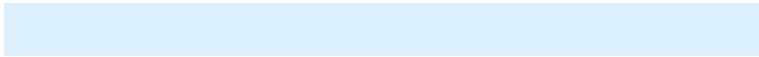
45.9696, 55.8090, 36.1734

Sweetspot

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



50.1258, 55.8110, 102.7384



78.3489, 84.3169, 106.7531



55.3952, 80.5850, 60.6101



16.2711, 17.5680, 22.7833



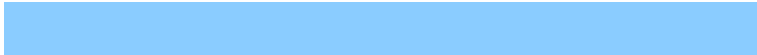
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



50.1258, 55.8110, 102.7384



44.3495, 49.3721, 101.8000



38.7810, 33.1214, 98.9568



17.8533, 19.0782, 22.9914



14.7821, 14.4737, 51.4492



1.5480, 1.6268, 5.0457

Inverse Universe

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



61.2287, 43.7983, 62.3556



57.0649, 37.3536, 55.1627



79.1499, 89.7393, 37.1965



18.4386, 18.1588, 20.9268



24.2495, 12.1891, 15.2303



2.4160, 1.2088, 1.7720

Previews

White Background



This preview shows how the XYZ color 50.1241, 55.8090, 102.7381 looks on a white background.

Color Contrast Check

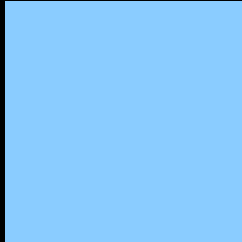
Large Text (above 18pt) WCAG AA × Fail

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 50.1241, 55.8090, 102.7381 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

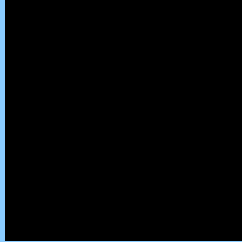
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

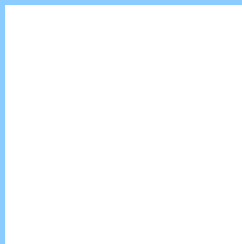
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.1241, 55.8090, 102.7381

Background



This preview shows how black text looks on a background with the XYZ color 50.1241, 55.8090, 102.7381.

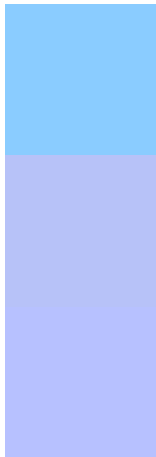


This preview shows how white text looks on a background with the XYZ color 50.1241, 55.8090,

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

50.1241, 55.8090, 102.7381

Protanopia

55.7635, 55.4282, 96.5666

Deuteranopia

56.6484, 55.4272, 102.3206



Tritanopia

45.5812, 55.7590, 80.3117

Trichromacy



Original Color

50.1241, 55.8090, 102.7381

Protanomaly

53.5430, 55.5687, 99.1706

Deuteranomaly

53.9526, 55.3680, 102.4512

Tritanomaly

47.1146, 55.6456, 88.3782

Monochromacy



Original Color

50.1241, 55.8090, 102.7381

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

48.4473, 52.5432, 71.2067

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.1241, 55.8090, 102.7381 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, 204, 255)` looks like.

```
.text, #text, p{  
    color:rgb(138, 204, 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, 204, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 204, 255) }
```

Border

The CSS property to change the border of an element to XYZ 50.1241, 55.8090, 102.7381 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, 204, 255) }
```


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

```
.border{ border-color:rgb(138, 204, 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, 204, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 204, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 204, 255);  
box-shadow:4px 4px 4px 4px rgb(138, 204,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 50.1241, 55.8090, 102.7381 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 204, 255) }
```

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

```
.background{ background-color: rgb(138,  
204, 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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