

Converting Colors

XYZ(56.8775, 56.6727,
147.4055)

Have a look what the booklet for
XYZ(56.8775, 56.6727, 147.4055)
contains.

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Color

**XYZ(48.3049, 53.1352,
102.3179)**

Conversions

Conversions Part 1

Format	Color
Hex	86C7FF
RGB	134, 199, 255
RGB Percent	53%, 78%, 100%
CMY	0.4745, 0.2196, 0.0000
CMYK	0.47, 0.22, 0.00, 0.00
HSL	208°, 100%, 76%
HSV	208°, 47%, 100%
XYZ	48.3049, 53.1352, 102.3179
YIQ	185.9490, -56.7160, 3.6360

Conversions

Conversions Part 2

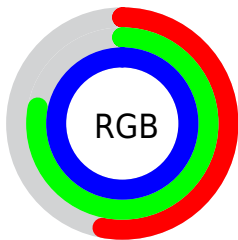
Format	Color
RYB	134, 176, 255
Decimal	8833023
CIELab	77.95, -5.96, -33.91
CIELCh	78, 34.426, 260.024
Yxy	53.1352, 0.2371, 0.2608
Android (android.graphics.Color)	4287023103 (0xFF86C7FF)
YUV	185.9490, 34.0421, -45.5593
Hunter-Lab	72.8939, -9.2770, -32.1970

Details

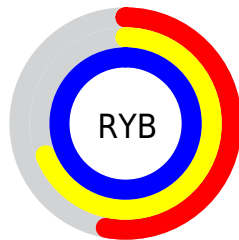
The XYZ color **48.3049, 53.1352, 102.3179** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **63.9573, 59.8091, 30.7295**, and the grayscale version is **46.4833, 48.9040, 53.2565**.

A 20% lighter version of the original color is **75.5482, 89.9465, 107.9873**, and **23.2201, 25.8239, 57.1868** is the 20% darker color. If you saturate the color by 10%, you get **42.1091, 46.0662, 101.2800**, and if you desaturate by 10%, it is **55.6942, 61.1342, 103.4724**.

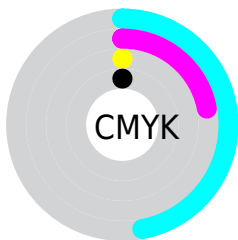
Distribution



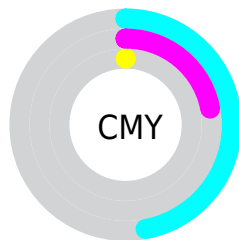
- Red (53%)
- Green (78%)
- Blue (100%)



- Red (53%)
- Yellow (69%)
- Blue (100%)



- Cyan (47%)
- Magenta (22%)
- Yellow (0%)
- Black (0%)



- Cyan (47%)
- Magenta (22%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.3049, 53.1352, 102.3179 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 48.3049, 53.1352, 102.3179 by changing the saturation by 10% instead.

■ 48.3049, 53.1352,
102.3179

■ 48.3049, 53.1352,
102.3179

370.5619,
398.8036, 588.9088

■ 34.2807, 37.9107,
77.6101

■ 86.8651, 94.8033,
166.4185

■ 23.2732, 25.9134,
57.2392

■ 112.1319,
122.0157, 206.6483

■ 14.9172, 16.7589,
40.7867

■ 141.8768,
153.9928, 252.8892

■ 8.8472, 10.0627,
27.8340

176.4653,
191.1191, 305.5597

■ 4.6980, 5.4406,
17.9626

216.2627,
233.7789, 365.0784

■ 2.1041, 2.5080,
10.7540

261.6343,

■ 0.6914, 0.8806,

282.3567, 431.8638

5.7896

312.9456,
337.2368, 506.3344

■ 0.0000, 0.0000,
2.6508

■ 0.0000, 0.0000,
0.9185

■ 48.3049, 53.1352,
102.3179

■ 48.3049, 53.1352,
102.3179

■ 42.1091, 46.0662,
101.2800

■ 55.6942, 61.1342,
103.4724

■ 37.0257, 39.8753,
100.3530

■ 64.3414, 70.1001,
104.7473

■ 32.9701, 34.5123,
99.5316

■ 74.3114, 80.0739,
106.1469

■ 29.8412, 29.9179,
98.8097

■ 85.6632, 91.0926,
107.6754

■ 27.5089, 26.0170,
98.1796

95.0500, 100.0000,
108.9000

■ 26.9936, 25.1072,
98.0312

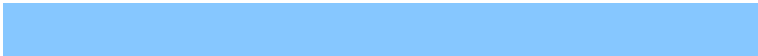
Harmonies

Analogous

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



42.6724, 53.1352, 90.9748



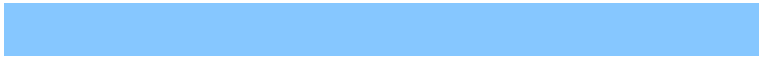
48.3049, 53.1352, 102.3179



55.0432, 53.1352, 99.8920

Triad

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



48.3049, 53.1352, 102.3179



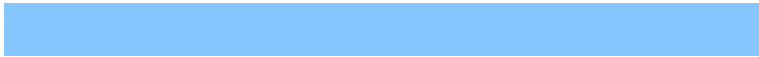
63.5966, 53.1352, 46.1217



41.2626, 53.1352, 37.2455

Complementary

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



48.3049, 53.1352, 102.3179



63.9573, 59.8091, 30.7295

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.



46.2204, 53.1352, 29.6582



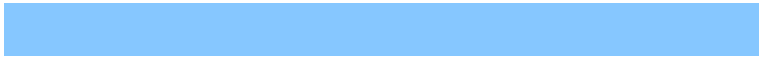
48.3049, 53.1352, 102.3179



59.2383, 53.1352, 33.9423

Square

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



48.3049, 53.1352, 102.3179



64.2799, 53.1352, 64.4834



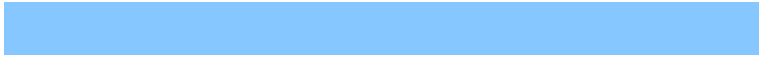
52.7676, 53.1352, 28.6001



38.8509, 53.1352, 51.6975

Rectangle

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



48.3049, 53.1352, 102.3179



59.2474, 53.1352, 90.9480



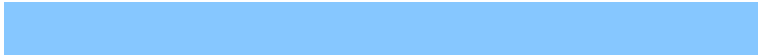
52.7676, 53.1352, 28.6001



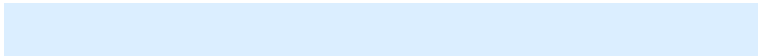
42.6650, 53.1352, 33.9562

Sweetspot

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



48.3065, 53.1371, 102.3182



78.0676, 83.7544, 106.6594



54.7183, 80.2392, 60.4370



16.2026, 17.4309, 22.7605



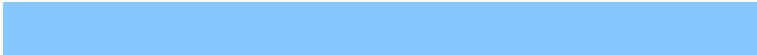
0.0000, 0.0000, 0.0000



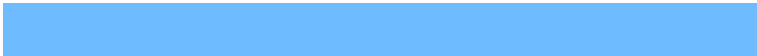
20.3446, 21.4041, 23.3091

Same Dimension

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



48.3065, 53.1371, 102.3182



42.3629, 46.3645, 101.3242



37.2684, 31.0609, 98.6388



17.8113, 18.9941, 22.9774



14.2558, 13.4213, 51.2738



1.4974, 1.5255, 5.0288

Inverse Universe

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



60.0750, 42.4353, 59.0593



55.8264, 35.9558, 51.4232



79.4037, 90.7020, 35.8783



18.4174, 18.1503, 20.8151



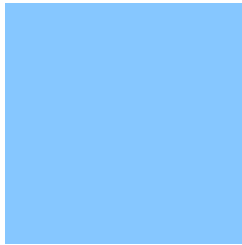
23.9839, 12.0828, 13.8315



2.3904, 1.1985, 1.6374

Previews

White Background



This preview shows how the XYZ color 48.3049, 53.1352, 102.3179 looks on a white background.

Color Contrast Check

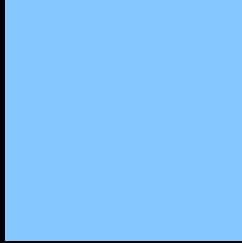
Large Text (above 18pt) WCAG AA × Fail

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 48.3049, 53.1352, 102.3179 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

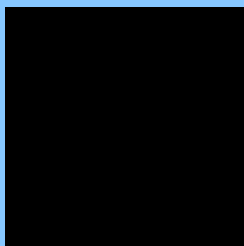
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

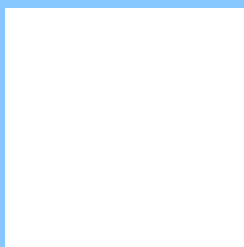
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.3049, 53.1352, 102.3179

Background



This preview shows how black text looks on a background with the XYZ color 48.3049, 53.1352, 102.3179.



This preview shows how white text looks on a background with the XYZ color 48.3049, 53.1352,

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

48.3049, 53.1352, 102.3179

Protanopia

53.4882, 52.9513, 96.2084

Deuteranopia

53.9268, 52.7292, 101.9432



Tritanopia

43.3283, 53.2217, 77.0964

Trichromacy



Original Color

48.3049, 53.1352, 102.3179

Protanomaly

51.1805, 52.6820, 98.7379

Deuteranomaly

51.6172, 52.8335, 102.0851

Tritanomaly

45.1093, 53.2416, 85.7410

Monochromacy



Original Color

48.3049, 53.1352, 102.3179

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

46.3250, 50.1802, 68.8722

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.3049, 53.1352, 102.3179 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(134, 199, 255)` looks like.

```
.text, #text, p{  
    color:rgb(134, 199, 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(134, 199, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 199, 255) }
```

Border

The CSS property to change the border of an element to XYZ 48.3049, 53.1352, 102.3179 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(134, 199, 255) }
```


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

```
.border{ border-color:rgb(134, 199, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 199, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 199, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 199, 255);  
box-shadow:4px 4px 4px 4px rgb(134, 199,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 48.3049, 53.1352, 102.3179 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 199, 255) }
```

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

```
.background{ background-color: rgb(134,  
199, 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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