

Converting Colors

XYZ(48.9224, 53.1894,
102.2958)

Have a look what the booklet for
XYZ(48.9224, 53.1894, 102.2958)
contains.

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Color

**XYZ(48.8915, 53.0971,
102.2797)**

Conversions

Conversions Part 1

Format	Color
Hex	8BC6FF
RGB	139, 198, 255
RGB Percent	55%, 78%, 100%
CMY	0.4549, 0.2235, 0.0000
CMYK	0.45, 0.22, 0.00, 0.00
HSL	209°, 100%, 77%
HSV	209°, 45%, 100%
XYZ	48.8915, 53.0971, 102.2797
YIQ	186.8570, -53.4610, 5.2190

Conversions

Conversions Part 2

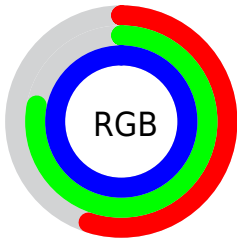
Format	Color
RYB	139, 178, 255
Decimal	9160447
CIELab	77.93, -4.26, -33.92
CIELCh	78, 34.186, 262.844
Yxy	53.0971, 0.2393, 0.2599
Android (android.graphics.Color)	4287350527 (0xFF8BC6FF)
YUV	186.8570, 33.5945, -41.9706
Hunter-Lab	72.8678, -7.7518, -32.2141

Details

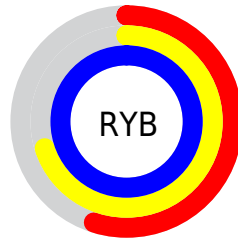
The XYZ color **48.8915, 53.0971, 102.2797** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **65.6409, 62.6049, 33.0523**, and the grayscale version is **46.9932, 49.4405, 53.8408**.

A 20% lighter version of the original color is **76.8360, 90.6103, 108.0476**, and **23.5596, 25.7731, 57.1591** is the 20% darker color. If you saturate the color by 10%, you get **42.3733, 45.6605, 101.1878**, and if you desaturate by 10%, it is **56.6427, 61.5232, 103.4975**.

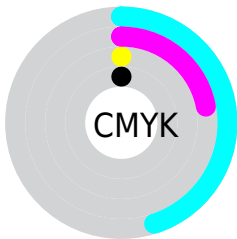
Distribution



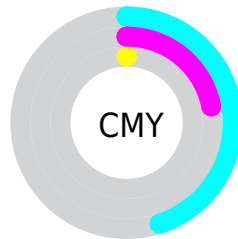
- Red (55%)
- Green (78%)
- Blue (100%)



- Red (55%)
- Yellow (70%)
- Blue (100%)



- Cyan (45%)
- Magenta (22%)
- Yellow (0%)
- Black (0%)



- Cyan (45%)
- Magenta (22%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.8915, 53.0971, 102.2797 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 48.8915, 53.0971, 102.2797 by changing the saturation by 10% instead.

■ 48.8915, 53.0971,
102.2797

■ 48.8915, 53.0971,
102.2797

372.8391,
398.6575, 588.7861

■ 34.7476, 37.8803,
77.5783

■ 87.7320, 94.7472,
166.3656

■ 23.6341, 25.8898,
57.2132

■ 113.1593,
121.9493, 206.5872

■ 15.1857, 16.7412,
40.7660

143.0784,
153.9154, 252.8193

■ 9.0370, 10.0502,
27.8179

177.8547,
191.0296, 305.4805

■ 4.8226, 5.4322,
17.9506

217.8536,
233.6766, 364.9892

■ 2.1772, 2.5030,
10.7455

263.4404,

■ 0.7307, 0.8782,

282.2407, 431.7640

5.7839

314.9804,
337.1062, 506.2235

■ 0.0000, 0.0000,
2.6475

■ 0.0000, 0.0000,
0.9168

■ 48.8915, 53.0971,
102.2797

■ 48.8915, 53.0971,
102.2797

■ 42.3733, 45.6605,
101.1878

■ 56.6427, 61.5232,
103.4975

■ 37.0076, 39.1603,
100.2159

■ 65.6910, 70.9769,
104.8454

■ 32.7110, 33.5456,
99.3586

■ 76.1013, 81.5005,
106.3280

■ 29.3847, 28.7566,
98.6096

■ 87.9326, 93.1322,
107.9495

■ 26.9081, 24.7213,
97.9612

95.0500, 100.0000,
108.9000

■ 25.9928, 23.1055,
97.6976

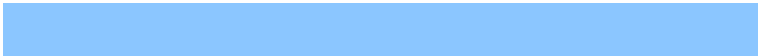
Harmonies

Analogous

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



43.1331, 53.0971, 92.1774



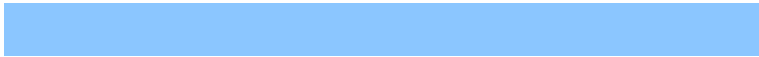
48.8915, 53.0971, 102.2797



55.5947, 53.0971, 98.5426

Triad

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



48.8915, 53.0971, 102.2797



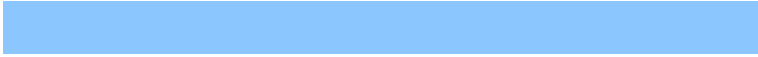
63.1887, 53.0971, 44.7330



40.9489, 53.0971, 38.4004

Complementary

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



48.8915, 53.0971, 102.2797



65.6409, 62.6049, 33.0523

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.



45.6651, 53.0971, 30.2118



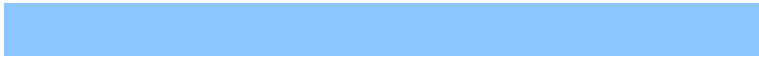
48.8915, 53.0971, 102.2797



58.5888, 53.0971, 33.2681

Square

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



48.8915, 53.0971, 102.2797



64.2437, 53.0971, 62.4952



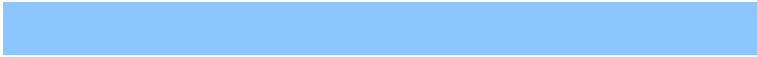
52.0764, 53.0971, 28.5645



38.8160, 53.0971, 53.3721

Rectangle

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



48.8915, 53.0971, 102.2797



59.6689, 53.0971, 89.0264



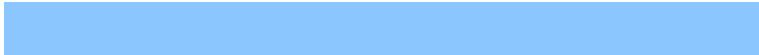
52.0764, 53.0971, 28.5645



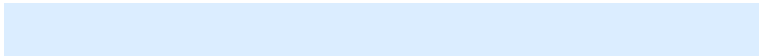
42.2637, 53.0971, 34.9103

Sweetspot

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



48.8931, 53.0990, 102.2799



77.7707, 83.1606, 106.5604



56.2664, 80.9527, 64.3307



16.1303, 17.2864, 22.7364



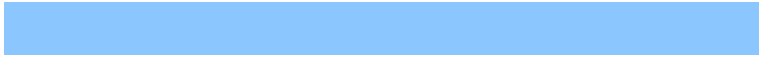
0.0000, 0.0000, 0.0000



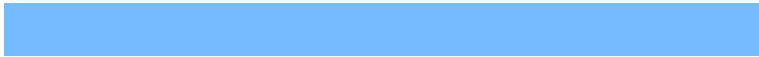
20.3446, 21.4041, 23.3091

Same Dimension

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



48.8931, 53.0990, 102.2799



42.6642, 46.0015, 101.2383



38.2140, 31.7409, 98.7203



17.7668, 18.9052, 22.9626



13.7317, 12.3729, 51.0991



1.4463, 1.4234, 5.0118

Inverse Universe

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



60.6667, 43.8040, 58.6855



56.2142, 37.0133, 50.6832



81.0469, 93.4169, 38.1876



18.3949, 18.1413, 20.6969



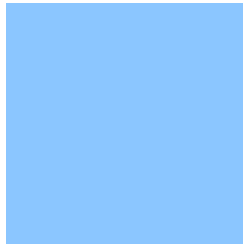
23.7193, 11.9770, 12.4382



2.3647, 1.1882, 1.5017

Previews

White Background



This preview shows how the XYZ color 48.8915, 53.0971, 102.2797 looks on a white background.

Color Contrast Check

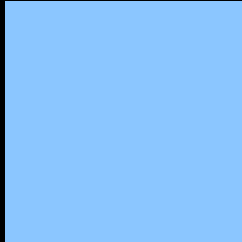
Large Text (above 18pt) WCAG AA × Fail

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 48.8915, 53.0971, 102.2797 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

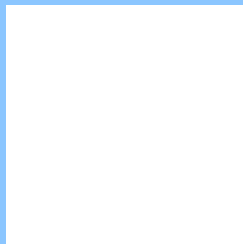
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.8915, 53.0971, 102.2797

Background



This preview shows how black text looks on a background with the XYZ color 48.8915, 53.0971, 102.2797.



This preview shows how white text looks on a background with the XYZ color 48.8915, 53.0971,

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

48.8915, 53.0971, 102.2797

Protanopia

53.4168, 52.8966, 97.0172

Deuteranopia

53.9268, 52.7292, 101.9432



Tritanopia

43.6973, 53.0733, 76.3477

Trichromacy



Original Color

48.8915, 53.0971, 102.2797

Protanomaly

51.5868, 52.8915, 98.7570

Deuteranomaly

51.7999, 52.6007, 102.0305

Tritanomaly

45.5014, 53.1108, 84.9440

Monochromacy



Original Color

48.8915, 53.0971, 102.2797

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

47.0920, 50.5611, 69.5646

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.8915, 53.0971, 102.2797 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(139, 198, 255)` looks like.

```
.text, #text, p{  
    color:rgb(139, 198, 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(139, 198, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 198, 255) }
```

Border

The CSS property to change the border of an element to XYZ 48.8915, 53.0971, 102.2797 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(139, 198, 255) }
```


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

```
.border{ border-color:rgb(139, 198, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 198, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 198, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 198, 255);  
box-shadow:4px 4px 4px 4px rgb(139, 198,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 48.8915, 53.0971, 102.2797 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 198, 255) }
```

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

```
.background{ background-color: rgb(139,  
198, 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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