

Converting Colors

XYZ(53.0619, 54.6801,
129.2212)

Have a look what the booklet for
XYZ(53.0619, 54.6801, 129.2212)
contains.

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Color

**XYZ(47.9169, 52.5947,
102.2340)**

Conversions

Conversions Part 1

Format	Color
Hex	85C6FF
RGB	133, 198, 255
RGB Percent	52%, 78%, 100%
CMY	0.4784, 0.2235, 0.0000
CMYK	0.48, 0.22, 0.00, 0.00
HSL	208°, 100%, 76%
HSV	208°, 48%, 100%
XYZ	47.9169, 52.5947, 102.2340
YIQ	185.0630, -57.0370, 3.9470

Conversions

Conversions Part 2

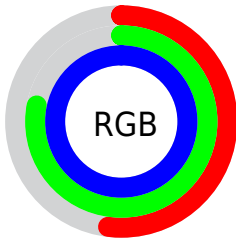
Format	Color
RYB	133, 175, 255
Decimal	8767231
CIELab	77.64, -5.66, -34.40
CIELCh	78, 34.865, 260.662
Yxy	52.5947, 0.2363, 0.2594
Android (android.graphics.Color)	4286957311 (0xFF85C6FF)
YUV	185.0630, 34.4789, -45.6593
Hunter-Lab	72.5222, -8.9753, -32.8151

Details

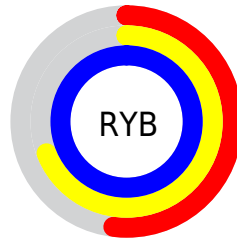
The XYZ color **47.9169, 52.5947, 102.2340** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **63.8879, 59.7814, 30.3639**, and the grayscale version is **45.9876, 48.3825, 52.6886**.

A 20% lighter version of the original color is **75.2959, 89.8164, 107.9755**, and **22.9903, 25.4796, 57.1324** is the 20% darker color. If you saturate the color by 10%, you get **41.7521, 45.5327, 101.1959**, and if you desaturate by 10%, it is **55.2762, 60.5926, 103.3899**.

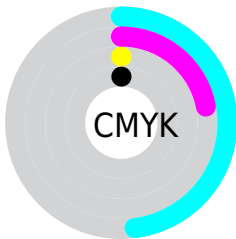
Distribution



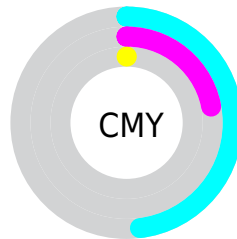
- Red (52%)
- Green (78%)
- Blue (100%)



- Red (52%)
- Yellow (69%)
- Blue (100%)



- Cyan (48%)
- Magenta (22%)
- Yellow (0%)
- Black (0%)



- Cyan (48%)
- Magenta (22%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.9169, 52.5947, 102.2340 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 47.9169, 52.5947, 102.2340 by changing the saturation by 10% instead.

■ 47.9169, 52.5947,
102.2340

■ 47.9169, 52.5947,
102.2340

369.0507,
396.7282, 588.6393

■ 33.9721, 37.4793,
77.5403

■ 86.2911, 94.0077,
166.3024

■ 23.0349, 25.5788,
57.1822

■ 111.4512,
121.0741, 206.5142

■ 14.7401, 16.5088,
40.7412

■ 141.0804,
152.8930, 252.7358

■ 8.7223, 9.8849,
27.7988

175.5441,
189.8487, 305.3857

■ 4.6162, 5.3227,
17.9363

215.2076,
232.3257, 364.8825

■ 2.0563, 2.4378,
10.7353

260.4363,

■ 0.6653, 0.8453,

280.7084, 431.6446

5.7772

311.5956,
335.3811, 506.0907

■ 0.0000, 0.0000,
2.6435

■ 0.0000, 0.0000,
0.9148

■ 47.9169, 52.5947,
102.2340

■ 47.9169, 52.5947,
102.2340

■ 41.7521, 45.5327,
101.1959

■ 55.2762, 60.5926,
103.3899

■ 36.7001, 39.3541,
100.2695

■ 63.8948, 69.5637,
104.6673

■ 32.6758, 34.0084,
99.4498

■ 73.8378, 79.5494,
106.0706

■ 29.5772, 29.4353,
98.7304

■ 85.1646, 90.5869,
107.6041

■ 27.2698, 25.5573,
98.1035

95.0500, 100.0000,
108.9000

■ 26.8348, 24.7895,
97.9783

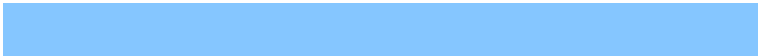
Harmonies

Analogous

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



42.2189, 52.5947, 91.0227



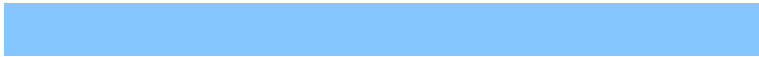
47.9169, 52.5947, 102.2340



54.7017, 52.5947, 99.4708

Triad

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



47.9169, 52.5947, 102.2340



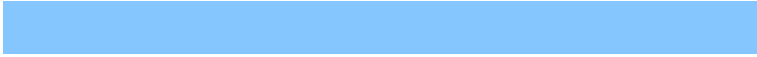
63.1178, 52.5947, 45.1471



40.6244, 52.5947, 36.8202

Complementary

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



47.9169, 52.5947, 102.2340



63.8879, 59.7814, 30.3639

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.



45.5563, 52.5947, 29.0931



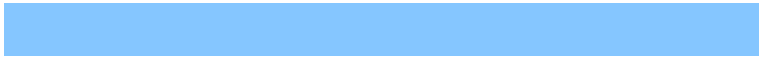
47.9169, 52.5947, 102.2340



58.6599, 52.5947, 33.0969

Square

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



47.9169, 52.5947, 102.2340



63.8939, 52.5947, 63.5004



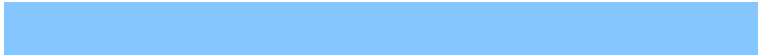
52.1214, 52.5947, 27.9033



38.2649, 52.5947, 51.4549

Rectangle

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



47.9169, 52.5947, 102.2340



58.9153, 52.5947, 90.2743



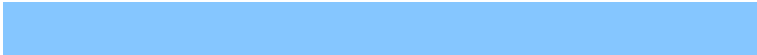
52.1214, 52.5947, 27.9033



42.0144, 52.5947, 33.4807

Sweetspot

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



47.9185, 52.5966, 102.2343



78.0218, 83.6626, 106.6441



54.7210, 80.2219, 61.2789



16.1914, 17.4086, 22.7568



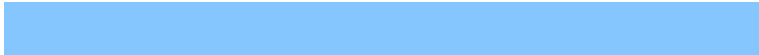
0.0000, 0.0000, 0.0000



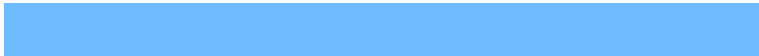
20.3446, 21.4041, 23.3091

Same Dimension

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



47.9185, 52.5966, 102.2343



42.2267, 46.0920, 101.2788



36.6796, 30.1187, 98.4880



17.8044, 18.9804, 22.9751



14.1727, 13.2550, 51.2461



1.4894, 1.5094, 5.0261

Inverse Universe

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



59.8217, 42.1139, 58.4038



55.7577, 35.9283, 51.0611



79.9504, 91.9064, 35.7181



18.4139, 18.1489, 20.7968



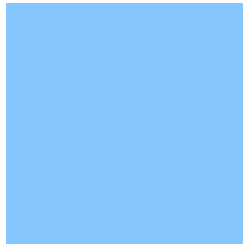
23.9419, 12.0661, 13.6106



2.3864, 1.1969, 1.6160

Previews

White Background



This preview shows how the XYZ color 47.9169, 52.5947, 102.2340 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 47.9169, 52.5947, 102.2340 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

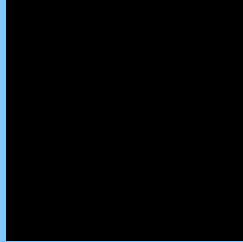
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

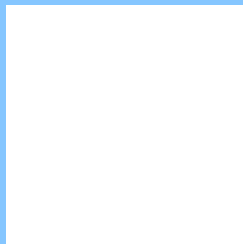
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.9169, 52.5947, 102.2340

Background



This preview shows how black text looks on a background with the XYZ color 47.9169, 52.5947, 102.2340.



This preview shows how white text looks on a background with the XYZ color 47.9169, 52.5947,

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

47.9169, 52.5947, 102.2340

Protanopia

52.8201, 52.2865, 96.1153

Deuteranopia

53.2668, 52.0707, 101.8509



Tritanopia

42.6701, 52.5438, 76.2996

Trichromacy



Original Color

47.9169, 52.5947, 102.2340

Protanomaly

50.7594, 52.1379, 98.6551

Deuteranomaly

51.0002, 52.1884, 101.9931

Tritanomaly

44.4327, 52.5599, 84.8940

Monochromacy



Original Color

47.9169, 52.5947, 102.2340

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

45.7722, 49.5870, 68.1316

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.9169, 52.5947, 102.2340 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(133, 198, 255)` looks like.

```
.text, #text, p{  
    color:rgb(133, 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(133, 198, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 198, 255) }
```

Border

The CSS property to change the border of an element to XYZ 47.9169, 52.5947, 102.2340 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(133, 198, 255) }
```


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

```
.border{ border-color:rgb(133, 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(133, 198, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 198, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 198, 255);  
box-shadow:4px 4px 4px 4px rgb(133, 198,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 47.9169, 52.5947, 102.2340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 198, 255) }
```

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

```
.background{ background-color: rgb(133,  
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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