

Converting Colors

XYZ(45.9707, 48.6147, 98.2567)

Have a look what the booklet for
XYZ(45.9707, 48.6147, 98.2567)
contains.

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Color

**XYZ(46.0914, 48.7635,
98.2498)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | 8ABDFB |
| RGB | 138, 189, 251 |
| RGB Percent | 54%, 74%, 98% |
| CMY | 0.4588, 0.2588, 0.0157 |
| CMYK | 0.45, 0.25, 0.00, 0.02 |
| HSL | 213°, 93%, 76% |
| HSV | 213°, 45%, 98% |
| XYZ | 46.0914, 48.7635, 98.2498 |
| YIQ | 180.8190, -50.2980, 8.4700 |

Conversions

Conversions Part 2

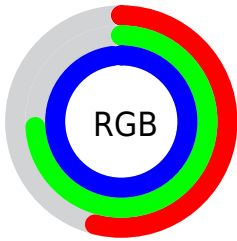
| Format | Color |
|-------------------------------------|---|
| RYB | 138, 173, 251 |
| Decimal | 9092603 |
| CIELab | 75.30, -0.73, -35.84 |
| CIELCh | 75, 35.852, 268.836 |
| Yxy | 48.7635, 0.2387, 0.2525 |
| Android (android.graphics.Color) | 4287282683 (0xFF8ABDFB) |
| YUV | 180.8190, 34.5992, -37.5523 |
| Hunter-Lab | 69.8309, -4.3863, -34.5375 |

Details

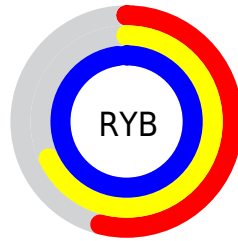
The XYZ color **46.0914, 48.7635, 98.2498** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **65.0268, 63.6545, 32.9059**, and the grayscale version is **43.6633, 45.9372, 50.0256**.

A 20% lighter version of the original color is **73.4674, 84.2606, 106.9995**, and **21.9351, 23.2527, 54.3711** is the 20% darker color. If you saturate the color by 10%, you get **39.5856, 41.2196, 97.1375**, and if you desaturate by 10%, it is **53.8413, 57.3683, 99.5031**.

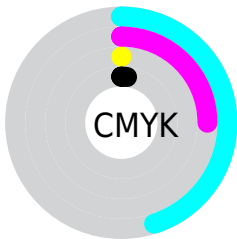
Distribution



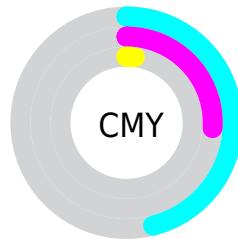
- Red (54%)
- Green (74%)
- Blue (98%)



- Red (54%)
- Yellow (68%)
- Blue (98%)



- Cyan (45%)
- Magenta (25%)
- Yellow (0%)
- Black (2%)



- Cyan (46%)
- Magenta (26%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.0914, 48.7635, 98.2498 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 46.0914, 48.7635, 98.2498 by changing the saturation by 10% instead.

■ 46.0914, 48.7635,
98.2498

■ 46.0914, 48.7635,
98.2498

361.8858,
381.8105, 575.7653

■ 32.5229, 34.4319,
74.2310

■ 83.5828, 88.3401,
160.7808

■ 21.9187, 23.2256,
54.4852

■ 108.2364,
114.3539, 200.1300

■ 13.9134, 14.7602,
38.5939

137.3157,
145.0306, 245.4264

■ 8.1418, 8.6512,
26.1385

171.1861,
180.7545, 297.0885

■ 4.2384, 4.5144,
16.7006

210.2130,
221.9100, 355.5349

■ 1.8379, 1.9653,
9.8616

254.7616,

■ 0.5403, 0.5872,

268.8816, 421.1842

5.2029

305.1974,
322.0537, 494.4548

■ 0.0000, 0.0000,
2.3060

■ 0.0000, 0.0000,
0.7346

■ 46.0914, 48.7635,
98.2498

■ 46.0914, 48.7635,
98.2498

■ 39.5856, 41.2196,
97.1375

■ 53.8413, 57.3683,
99.5031

■ 34.2441, 34.6809,
96.1569

■ 62.8985, 67.0748,
100.8993

■ 29.9848, 29.0942,
95.3030

■ 73.3275, 77.9279,
102.4445

■ 26.7111, 24.3967,
94.5689

■ 85.1867, 89.9681,
104.1434

■ 24.3054, 20.5146,
93.9464

■ 94.4128, 99.7451,
105.5443

■ 23.3496, 18.8387,
93.6733

Harmonies

Analogous

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



40.0975, 48.7635, 90.5792



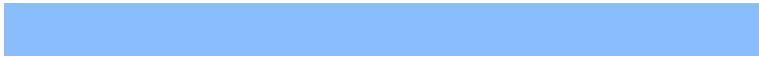
46.0914, 48.7635, 98.2498



52.7298, 48.7635, 91.6355

Triad

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



46.0914, 48.7635, 98.2498



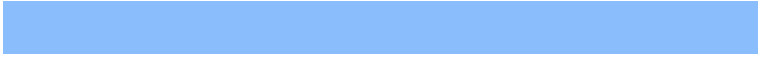
58.3535, 48.7635, 37.4502



36.3324, 48.7635, 36.4479

Complementary

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



46.0914, 48.7635, 98.2498



65.0268, 63.6545, 32.9059

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.



40.5035, 48.7635, 27.2350



46.0914, 48.7635, 98.2498



53.2171, 48.7635, 27.7099

Square

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



46.0914, 48.7635, 98.2498



60.2009, 48.7635, 53.8355



46.6060, 48.7635, 24.4576



34.8025, 48.7635, 52.3616

Rectangle

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



46.0914, 48.7635, 98.2498



56.5531, 48.7635, 80.7315



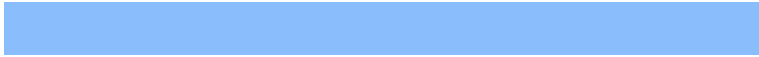
46.6060, 48.7635, 24.4576



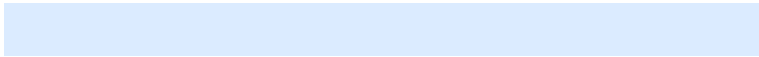
37.4514, 48.7635, 32.6178

Sweetspot

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



46.0931, 48.7653, 98.2510



77.1803, 81.9797, 106.3636



55.2037, 78.4884, 65.8295



15.9868, 16.9993, 22.6886



0.0000, 0.0000, 0.0000



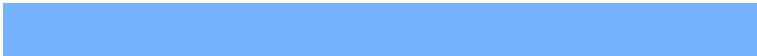
20.3446, 21.4041, 23.3091

Same Dimension

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



46.0931, 48.7653, 98.2510



41.6365, 43.4427, 100.7985



37.6181, 30.8741, 95.2443



16.9282, 17.9332, 21.9545



12.4143, 10.1842, 49.2850



1.2540, 1.1517, 4.5994

Inverse Universe

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



58.0589, 42.3621, 53.2625



55.8183, 37.3254, 47.1482



77.5259, 90.6470, 37.4572



17.5703, 17.3555, 19.5928



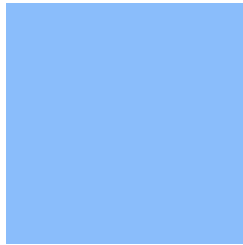
22.5582, 11.4390, 9.6478



2.1419, 1.0805, 1.1707

Previews

White Background



This preview shows how the XYZ color 46.0914, 48.7635, 98.2498 looks on a white background.

Color Contrast Check

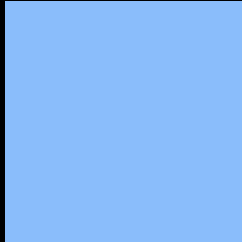
Large Text (above 18pt) WCAG AA × Fail

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 46.0914, 48.7635, 98.2498 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

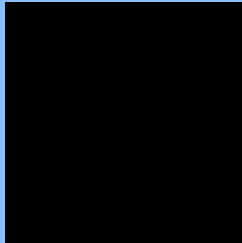
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

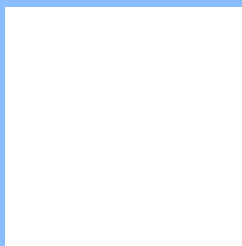
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.0914, 48.7635, 98.2498

Background



This preview shows how black text looks on a background with the XYZ color 46.0914, 48.7635, 98.2498.



This preview shows how white text looks on a background with the XYZ color 46.0914, 48.7635,

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

46.0914, 48.7635, 98.2498

Protanopia

49.5044, 48.7363, 93.9867

Deuteranopia

49.6085, 48.3767, 98.8184



Tritanopia

40.3760, 48.7453, 69.5681

Trichromacy



Original Color

46.0914, 48.7635, 98.2498

Protanomaly

48.0025, 48.5432, 95.6467

Deuteranomaly

48.4372, 48.6948, 98.9416

Tritanomaly

42.1575, 48.4562, 79.0826

Monochromacy



Original Color

46.0914, 48.7635, 98.2498

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

43.7981, 46.7365, 65.1052

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.0914, 48.7635, 98.2498 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, 189, 251)` looks like.

```
.text, #text, p{  
    color:rgb(138, 189, 251)  
}
```

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, 189, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 189, 251) }
```

Border

The CSS property to change the border of an element to XYZ 46.0914, 48.7635, 98.2498 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, 189, 251) }
```


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

```
.border{ border-color:rgb(138, 189, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 189, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(138, 189, 251); -webkit-box-shadow:4px 4px 4px 4px rgb(138, 189, 251); box-shadow:4px 4px 4px 4px rgb(138, 189, 251) }
```

Background

The CSS property to change the background color of an element to XYZ 46.0914, 48.7635, 98.2498 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 189, 251) }
```

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

```
.background{ background-color: rgb(138,  
189, 251) }
```

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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