

Converting Colors

XYZ(46.4573, 48.5490,
101.5301)

Have a look what the booklet for
XYZ(46.4573, 48.5490, 101.5301)
contains.

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Color

**XYZ(46.5145, 48.5897,
101.5349)**

Conversions

Conversions Part 1

Format	Color
Hex	8ABCFF
RGB	138, 188, 255
RGB Percent	54%, 74%, 100%
CMY	0.4588, 0.2627, 0.0000
CMYK	0.46, 0.26, 0.00, 0.00
HSL	214°, 100%, 77%
HSV	214°, 46%, 100%
XYZ	46.5145, 48.5897, 101.5349
YIQ	180.6880, -51.3070, 10.2370

Conversions

Conversions Part 2

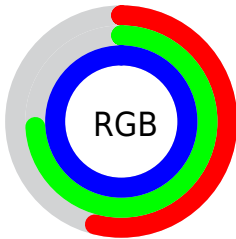
Format	Color
RYB	138, 173, 255
Decimal	9092351
CIELab	75.20, 0.94, -38.16
CIELCh	75, 38.174, 271.408
Yxy	48.5897, 0.2365, 0.2471
Android (android.graphics.Color)	4287282431 (0xFF8ABCFF)
YUV	180.6880, 36.6358, -37.4374
Hunter-Lab	69.7063, -2.8743, -37.5680

Details

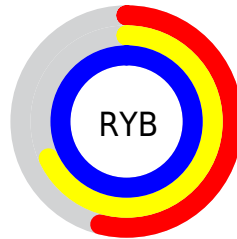
The XYZ color **46.5145, 48.5897, 101.5349** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **67.6599, 66.7591, 33.3667**, and the grayscale version is **43.5825, 45.8522, 49.9330**.

A 20% lighter version of the original color is **73.1656, 83.6571, 106.8989**, and **22.1653, 23.1106, 56.7186** is the 20% darker color. If you saturate the color by 10%, you get **39.8171, 40.7389, 100.3725**, and if you desaturate by 10%, it is **54.5209, 57.5858, 102.8494**.

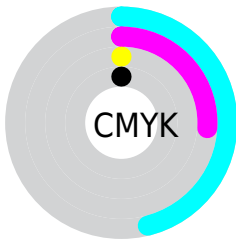
Distribution



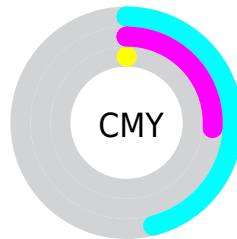
- Red (54%)
- Green (74%)
- Blue (100%)



- Red (54%)
- Yellow (68%)
- Blue (100%)



- Cyan (46%)
- Magenta (26%)
- Yellow (0%)
- Black (0%)



- Cyan (46%)
- Magenta (26%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.5145, 48.5897, 101.5349 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 46.5145, 48.5897, 101.5349 by changing the saturation by 10% instead.

■ 46.5145, 48.5897,
101.5349

■ 46.5145, 48.5897,
101.5349

363.5546,
381.1248, 586.3912

■ 32.8583, 34.2941,
76.9590

■ 84.2116, 88.0818,
165.3351

■ 22.1767, 23.1196,
56.7079

■ 108.9833,
114.0470, 205.3965

■ 14.1041, 14.6819,
40.3629

138.1909,
144.6710, 251.4569

■ 8.2753, 8.5964,
27.5057

172.1997,
180.3380, 303.9347

■ 4.3249, 4.4789,
17.7176

211.3752,
221.4325, 363.2485

■ 1.8875, 1.9449,
10.5801

256.0826,

■ 0.5696, 0.5752,

268.3389, 429.8168

5.6746

306.6873,
321.4415, 504.0582

■ 0.0000, 0.0000,
2.5827

■ 0.0000, 0.0000,
0.8835

■ 46.5145, 48.5897,
101.5349

■ 46.5145, 48.5897,
101.5349

■ 39.8171, 40.7389,
100.3725

■ 54.5209, 57.5858,
102.8494

■ 34.3444, 33.9732,
99.3551

■ 63.9042, 67.7726,
104.3211

■ 30.0086, 28.2338,
98.4758

■ 74.7328, 79.1991,
105.9559

■ 26.7063, 23.4522,
97.7269

■ 87.0688, 91.9096,
107.7591

■ 24.3111, 19.5469, 95.0500, 100.0000,
97.0993 108.9000

■ 23.5158, 18.1516,
96.8719

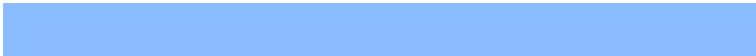
Harmonies

Analogous

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



40.0385, 48.5897, 94.4664



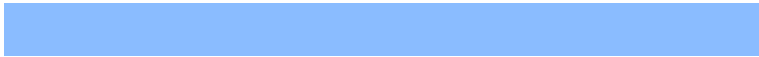
46.5145, 48.5897, 101.5349



53.5558, 48.5897, 93.0795

Triad

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



46.5145, 48.5897, 101.5349



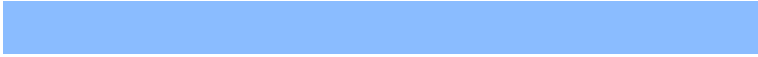
58.6447, 48.5897, 35.2581



35.3476, 48.5897, 36.5244

Complementary

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



46.5145, 48.5897, 101.5349



67.6599, 66.7591, 33.3667

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.



39.5201, 48.5897, 26.3619



46.5145, 48.5897, 101.5349



52.9261, 48.5897, 25.7712

Square

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



46.5145, 48.5897, 101.5349



60.9822, 48.5897, 51.9646



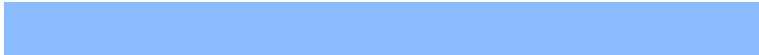
45.8532, 48.5897, 22.9767



33.9957, 48.5897, 53.8586

Rectangle

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



46.5145, 48.5897, 101.5349



57.5181, 48.5897, 80.7662



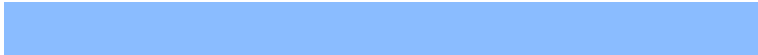
45.8532, 48.5897, 22.9767



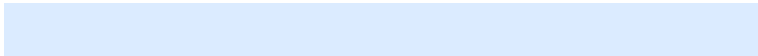
36.4445, 48.5897, 32.3258

Sweetspot

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



46.5160, 48.5914, 101.5352



76.9352, 81.4895, 106.2819



57.1776, 81.2979, 69.9956



15.9273, 16.8803, 22.6687



0.0000, 0.0000, 0.0000



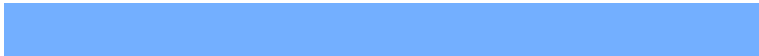
20.3446, 21.4041, 23.3091

Same Dimension

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



46.5160, 48.5914, 101.5352



40.3562, 41.3855, 100.4689



38.9588, 31.4918, 98.6329



17.6412, 18.6541, 22.9208



12.4285, 9.7666, 50.6647



1.3158, 1.1624, 4.9683

Inverse Universe

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



59.4067, 43.0696, 52.7608



55.0493, 36.5473, 44.5486



78.7763, 93.1658, 37.8778



18.3316, 18.1159, 20.3631



23.0615, 11.7139, 8.9744



2.2988, 1.1619, 1.1548

Previews

White Background



This preview shows how the XYZ color 46.5145, 48.5897, 101.5349 looks on a white background.

Color Contrast Check

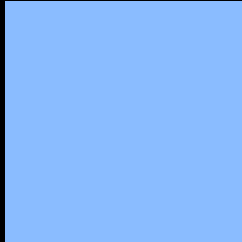
Large Text (above 18pt) WCAG AA × Fail

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 46.5145, 48.5897, 101.5349 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

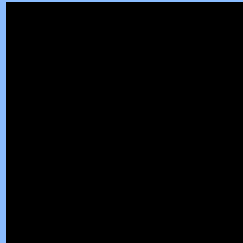
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

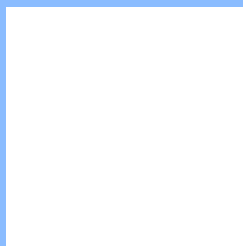
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.5145, 48.5897, 101.5349

Background



This preview shows how black text looks on a background with the XYZ color 46.5145, 48.5897, 101.5349.



This preview shows how white text looks on a background with the XYZ color 46.5145, 48.5897,

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

46.5145, 48.5897, 101.5349

Protanopia

49.5003, 48.3574, 97.1674

Deuteranopia

49.4759, 48.2530, 101.3138



Tritanopia

40.0810, 48.5933, 69.5543

Trichromacy



Original Color

46.5145, 48.5897, 101.5349

Protanomaly

48.2287, 48.2778, 98.8721

Deuteranomaly

48.3274, 48.2733, 101.3783

Tritanomaly

42.2795, 48.4872, 80.5294

Monochromacy



Original Color

46.5145, 48.5897, 101.5349

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

44.0427, 46.8344, 66.3931

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.5145, 48.5897, 101.5349 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, 188, 255)` looks like.

```
.text, #text, p{  
    color:rgb(138, 188, 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, 188, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 188, 255) }
```

Border

The CSS property to change the border of an element to XYZ 46.5145, 48.5897, 101.5349 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, 188, 255) }
```


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

```
.border{ border-color:rgb(138, 188, 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, 188, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 188, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 188, 255);  
box-shadow:4px 4px 4px 4px rgb(138, 188,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 46.5145, 48.5897, 101.5349 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 188, 255) }
```

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

```
.background{ background-color: rgb(138,  
188, 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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