

Converting Colors

$Y_{xy}(46.8855, 0.2363, 0.2417)$

Have a look what the booklet for
Yxy(46.8855, 0.2363, 0.2417)
contains.

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Color

Yxy(46.9899, 0.2362, 0.2421)

Conversions

Conversions Part 1

Format	Color
Hex	8BB8FF
RGB	139, 184, 255
RGB Percent	55%, 72%, 100%
CMY	0.4547, 0.2785, 0.0000
CMYK	0.45, 0.28, 0.00, 0.00
HSL	217°, 100%, 77%
HSV	217°, 45%, 100%
XYZ	45.8448, 46.9899, 101.2583
YIQ	178.6390, -49.6110, 12.5410

Conversions

Conversions Part 2

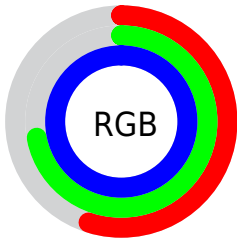
Format	Color
RYB	139, 171, 255
Decimal	9156863
CIELab	74.18, 3.40, -39.73
CIELCh	74, 39.875, 274.892
Yxy	46.9899, 0.2362, 0.2421
Android (android.graphics.Color)	4287346943 (0xFF8BB8FF)
YUV	178.6390, 37.6460, -34.7634
Hunter-Lab	68.5492, -0.5827, -39.5965

Details

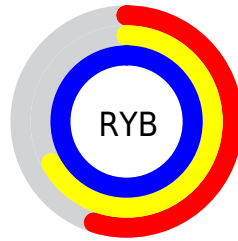
The Yxy color **46.9899, 0.2362, 0.2421** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **69.2533, 0.4000, 0.4017**, and the grayscale version is **44.7005, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.4105, 0.2777, 0.3129**, and **22.0591, 0.2164, 0.2199** is the 20% darker color. If you saturate the color by 10%, you get **38.9114, 0.2192, 0.2186**, and if you desaturate by 10%, it is **56.3002, 0.2538, 0.2644**.

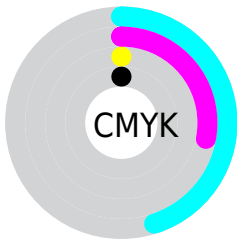
Distribution



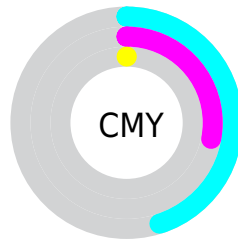
- Red (55%)
- Green (72%)
- Blue (100%)



- Red (55%)
- Yellow (67%)
- Blue (100%)



- Cyan (45%)
- Magenta (28%)
- Yellow (0%)
- Black (0%)



- Cyan (45%)
- Magenta (28%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.9899, 0.2362, 0.2421 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 Yxy color 46.9899, 0.2362, 0.2421 by changing the saturation by 10% instead.

■ 46.9899, 0.2362,
0.2421

■ 46.9899, 0.2362,
0.2421

■ 374.7742, 0.2732,
0.2837

■ 33.0277, 0.2275,
0.2325

■ 85.6985, 0.2492,
0.2567

■ 22.1476, 0.2167,
0.2205

■ 111.2138, 0.2543,
0.2623

■ 13.9654, 0.2030,
0.2054

■ 141.3487, 0.2586,
0.2671

■ 8.0966, 0.1852,
0.1859

■ 176.4879, 0.2623,
0.2713

■ 4.1568, 0.1612,
0.1600

■ 217.0156, 0.2655,
0.2750

■ 1.7617, 0.1284,
0.1250

■ 263.3163, 0.2684,

■ 0.4631, 0.0790,

0.2782

0.0700

315.7744, 0.2709,
0.2811

0.0000, 0.0000,
0.0000

46.9899, 0.2362,
0.2421

46.9899, 0.2362,
0.2421

38.9114, 0.2192,
0.2186

56.3002, 0.2538,
0.2644

32.0001, 0.2033,
0.1946

66.8918, 0.2712,
0.2850

26.1927, 0.1893,
0.1708

78.8174, 0.2882,
0.3038

21.4157, 0.1779,
0.1482

92.1252, 0.3043,
0.3206

17.5827, 0.1695,
0.1277

99.9998, 0.3127,
0.3290

■ 16.1091, 0.1665,
0.1192

Harmonies

Analogous

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



46.9899, 0.2150, 0.2585



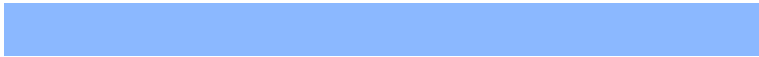
46.9899, 0.2362, 0.2421



46.9899, 0.2779, 0.2464

Triad

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



46.9899, 0.2362, 0.2421



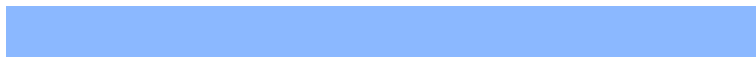
46.9899, 0.4194, 0.3463



46.9899, 0.2861, 0.4032

Complementary

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



46.9899, 0.2362, 0.2421



69.2533, 0.4000, 0.4017

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.



46.9899, 0.3404, 0.4294



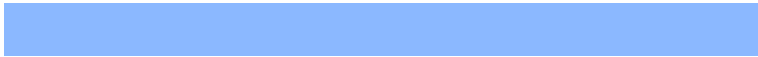
46.9899, 0.2362, 0.2421



46.9899, 0.4198, 0.3887

Square

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



46.9899, 0.2362, 0.2421



46.9899, 0.3866, 0.3038



46.9899, 0.3898, 0.4210



46.9899, 0.2414, 0.3509

Rectangle

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



46.9899, 0.2362, 0.2421



46.9899, 0.3139, 0.2594



46.9899, 0.3898, 0.4210



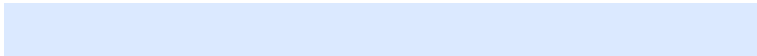
46.9899, 0.3038, 0.4157

Sweetspot

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



46.9916, 0.2362, 0.2421



80.6807, 0.2906, 0.3064



81.5976, 0.2727, 0.3844



16.6842, 0.2870, 0.3025



0.0000, 0.0000, 0.0000



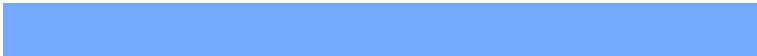
21.4041, 0.3127, 0.3290

Same Dimension

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



46.9916, 0.2362, 0.2421



39.2612, 0.2199, 0.2197



32.2502, 0.2339, 0.1886



18.5320, 0.2979, 0.3140



8.6854, 0.1673, 0.1222



1.0500, 0.1735, 0.1446

Inverse Universe

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



43.2036, 0.3867, 0.2826



36.3329, 0.4112, 0.2741



92.5109, 0.3723, 0.4442



18.1036, 0.3233, 0.3198



11.6048, 0.5435, 0.2768



1.1505, 0.5129, 0.2599

Previews

White Background



This preview shows how the Yxy color 46.9899, 0.2362, 0.2421 looks on a white background.

Color Contrast Check

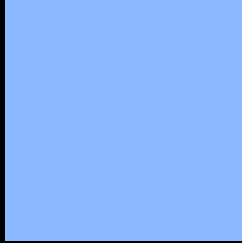
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 46.9899, 0.2362, 0.2421 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

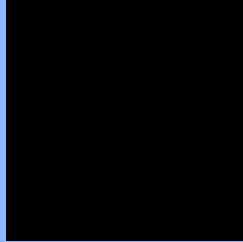
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

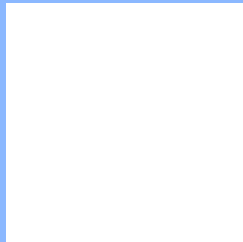
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.9899, 0.2362, 0.2421

Background



This preview shows how black text looks on a background with the Yxy color 46.9899, 0.2362, 0.2421.



This preview shows how white text looks on a background with the Yxy color 46.9899, 0.2362, 0.2421.

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

46.9899, 0.2362, 0.2421

Protanopia

46.6788, 0.2496, 0.2425

Deuteranopia

46.9304, 0.2451, 0.2393



Tritanopia

47.1296, 0.2555, 0.3082

Trichromacy



Original Color

46.9899, 0.2362, 0.2421

Protanomaly

46.7514, 0.2445, 0.2429

Deuteranomaly

46.7518, 0.2417, 0.2397

Tritanomaly

47.0884, 0.2483, 0.2827

Monochromacy



Original Color

46.9899, 0.2362, 0.2421

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

45.4453, 0.2797, 0.2950

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.9899, 0.2362, 0.2421 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, 184, 255)` looks like.

```
.text, #text, p{  
    color:rgb(139, 184, 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, 184, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 184, 255) }
```

Border

The CSS property to change the border of an element to Yxy 46.9899, 0.2362, 0.2421 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, 184, 255) }
```

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

```
.border{ border-color:rgb(139, 184, 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, 184, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 184, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 184, 255);  
box-shadow:4px 4px 4px 4px rgb(139, 184,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 46.9899, 0.2362, 0.2421 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 184, 255) }
```

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

```
.background{ background-color: rgb(139,  
184, 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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