

Converting Colors

$Y_{xy}(48.5253, 0.2297, 0.2275)$

Have a look what the booklet for
Yxy(48.5253, 0.2297, 0.2275)
contains.

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Color

Yxy(47.5806, 0.2375, 0.2436)

Conversions

Conversions Part 1

Format	Color
Hex	8DB9FF
RGB	141, 185, 255
RGB Percent	55%, 73%, 100%
CMY	0.4469, 0.2745, 0.0000
CMYK	0.45, 0.27, 0.00, 0.00
HSL	217°, 100%, 78%
HSV	217°, 45%, 100%
XYZ	46.3891, 47.5806, 101.3529
YIQ	179.8240, -48.6940, 12.4420

Conversions

Conversions Part 2

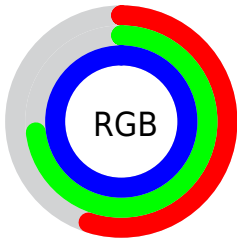
Format	Color
RYB	141, 173, 255
Decimal	9288191
CIELab	74.56, 3.32, -39.14
CIELCh	75, 39.283, 274.854
Yxy	47.5806, 0.2375, 0.2436
Android (android.graphics.Color)	4287478271 (0xFF8DB9FF)
YUV	179.8240, 37.0618, -34.0486
Hunter-Lab	68.9787, -0.6690, -38.8319

Details

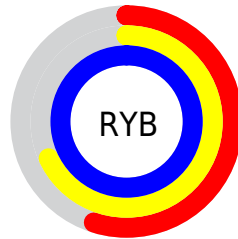
The Yxy color **47.5806, 0.2375, 0.2436** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **69.7971, 0.3982, 0.4007**, and the grayscale version is **45.3645, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.2727, 0.2789, 0.3141**, and **22.4646, 0.2185, 0.2221** is the 20% darker color. If you saturate the color by 10%, you get **39.4001, 0.2204, 0.2201**, and if you desaturate by 10%, it is **57.0002, 0.2551, 0.2658**.

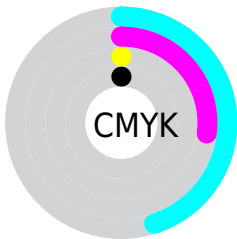
Distribution



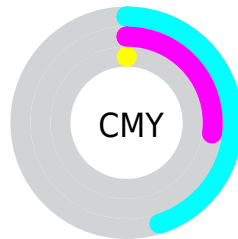
- Red (55%)
- Green (73%)
- Blue (100%)



- Red (55%)
- Yellow (68%)
- Blue (100%)



- Cyan (45%)
- Magenta (27%)
- Yellow (0%)
- Black (0%)



- Cyan (45%)
- Magenta (27%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.5806, 0.2375, 0.2436 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 47.5806, 0.2375, 0.2436 by changing the saturation by 10% instead.

■ 47.5806, 0.2375,
0.2436

■ 47.5806, 0.2375,
0.2436

377.1273, 0.2738,
0.2844

■ 33.4949, 0.2290,
0.2341

■ 86.5796, 0.2503,
0.2579

■ 22.5058, 0.2184,
0.2224

■ 112.2617, 0.2552,
0.2634

■ 14.2290, 0.2050,
0.2076

142.5781, 0.2594,
0.2682

■ 8.2801, 0.1874,
0.1884

177.9131, 0.2631,
0.2723

■ 4.2747, 0.1639,
0.1629

218.6511, 0.2663,
0.2759

■ 1.8284, 0.1315,
0.1284

265.1765, 0.2691,

■ 0.5048, 0.0835,

0.2791

0.0752

317.8738, 0.2716,
0.2819

0.0000, 0.0000,
0.0000

47.5806, 0.2375,
0.2436

47.5806, 0.2375,
0.2436

39.4001, 0.2204,
0.2201

57.0002, 0.2551,
0.2658

32.3961, 0.2044,
0.1960

67.7100, 0.2725,
0.2864

26.5048, 0.1902,
0.1721

79.7622, 0.2895,
0.3051

21.6532, 0.1786,
0.1494

93.2047, 0.3055,
0.3218

17.7561, 0.1699,
0.1287

100.0000, 0.3127,
0.3290

■ 16.0208, 0.1663,
0.1187

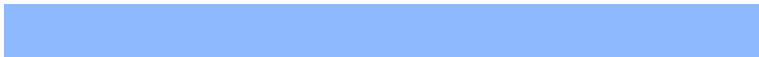
Harmonies

Analogous

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



47.5806, 0.2166, 0.2598



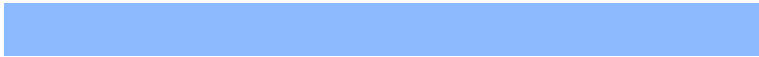
47.5806, 0.2375, 0.2436



47.5806, 0.2785, 0.2478

Triad

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



47.5806, 0.2375, 0.2436



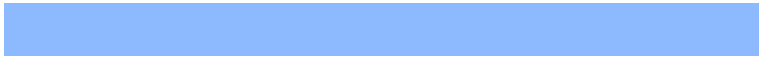
47.5806, 0.4174, 0.3461



47.5806, 0.2867, 0.4017

Complementary

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



47.5806, 0.2375, 0.2436



69.7971, 0.3982, 0.4007

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.



47.5806, 0.3401, 0.4274



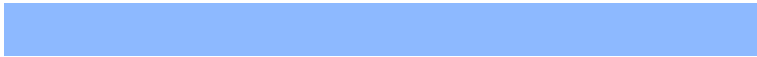
47.5806, 0.2375, 0.2436



47.5806, 0.4178, 0.3877

Square

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



47.5806, 0.2375, 0.2436



47.5806, 0.3852, 0.3042



47.5806, 0.3885, 0.4194



47.5806, 0.2427, 0.3506

Rectangle

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



47.5806, 0.2375, 0.2436



47.5806, 0.3139, 0.2605



47.5806, 0.3885, 0.4194



47.5806, 0.3041, 0.4140

Sweetspot

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



47.5818, 0.2375, 0.2436



81.9340, 0.2922, 0.3080



81.8106, 0.2732, 0.3833



16.9315, 0.2886, 0.3041



0.0000, 0.0000, 0.0000



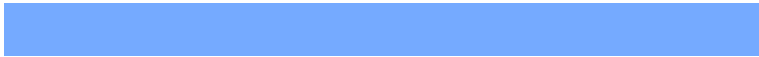
21.4041, 0.3127, 0.3290

Same Dimension

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



47.5818, 0.2375, 0.2436



39.9255, 0.2215, 0.2218



33.0001, 0.2355, 0.1914



18.5264, 0.2979, 0.3140



8.6384, 0.1672, 0.1217



1.0451, 0.1734, 0.1441

Inverse Universe

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



43.8249, 0.3851, 0.2835



36.9704, 0.4088, 0.2751



92.6067, 0.3714, 0.4424



18.1030, 0.3233, 0.3199



11.6000, 0.5442, 0.2772



1.1500, 0.5136, 0.2603

Previews

White Background



This preview shows how the Yxy color 47.5806, 0.2375, 0.2436 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 47.5806, 0.2375, 0.2436 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

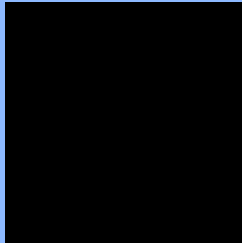
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

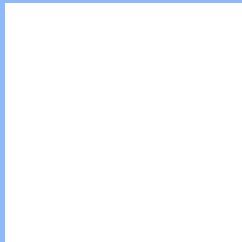
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.5806, 0.2375, 0.2436

Background



This preview shows how black text looks on a background with the Yxy color 47.5806, 0.2375, 0.2436.



This preview shows how white text looks on a background with the Yxy color 47.5806, 0.2375, 0.2436.

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

47.5806, 0.2375, 0.2436

Protanopia

47.2889, 0.2510, 0.2441

Deuteranopia

47.5368, 0.2465, 0.2408



Tritanopia

47.7762, 0.2563, 0.3084

Trichromacy



Original Color

47.5806, 0.2375, 0.2436

Protanomaly

47.3542, 0.2459, 0.2445

Deuteranomaly

47.3513, 0.2431, 0.2412

Tritanomaly

47.7391, 0.2491, 0.2829

Monochromacy



Original Color

47.5806, 0.2375, 0.2436

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

46.0679, 0.2813, 0.2964

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.5806, 0.2375, 0.2436 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(141, 185, 255)` looks like.

```
.text, #text, p{  
    color:rgb(141, 185, 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(141, 185, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 185, 255) }
```

Border

The CSS property to change the border of an element to Yxy 47.5806, 0.2375, 0.2436 is called "border". The border property can be set on classes, ids or directly on the HTML element.

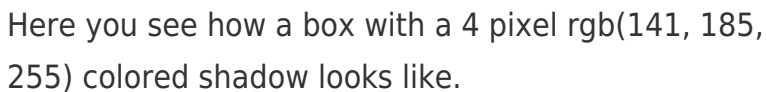
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(141, 185, 255) }
```

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

```
.border{ border-color:rgb(141, 185, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(141, 185, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 185, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 185, 255);  
box-shadow:4px 4px 4px 4px rgb(141, 185,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 47.5806, 0.2375, 0.2436 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 185, 255) }
```

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

```
.background{ background-color: rgb(141,  
185, 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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