

Converting Colors

$Yxy(48.7739, 0.2329, 0.2488)$

Have a look what the booklet for
Yxy(48.7739, 0.2329, 0.2488)
contains.

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Color

Yxy(48.7927, 0.2329, 0.2488)

Conversions

Conversions Part 1

Format	Color
Hex	82BEFF
RGB	130, 190, 255
RGB Percent	51%, 75%, 100%
CMY	0.4901, 0.2549, 0.0000
CMYK	0.49, 0.25, 0.00, 0.00
HSL	211°, 100%, 75%
HSV	211°, 49%, 100%
XYZ	45.6745, 48.7927, 101.6449
YIQ	179.4700, -56.6250, 7.4950

Conversions

Conversions Part 2

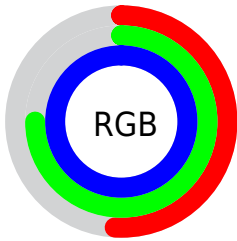
Format	Color
RYB	130, 171, 255
Decimal	8568575
CIELab	75.32, -1.99, -38.01
CIELCh	75, 38.067, 266.996
Yxy	48.7927, 0.2329, 0.2488
Android (android.graphics.Color)	4286758655 (0xFF82BEFF)
YUV	179.4700, 37.2363, -43.3852
Hunter-Lab	69.8518, -5.5234, -37.3797

Details

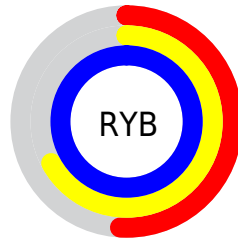
The Yxy color **48.7927, 0.2329, 0.2488** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **61.9109, 0.4144, 0.3960**, and the grayscale version is **45.1641, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.8229, 0.2732, 0.3192**, and **23.2706, 0.2130, 0.2288** is the 20% darker color. If you saturate the color by 10%, you get **41.5333, 0.2175, 0.2288**, and if you desaturate by 10%, it is **57.0739, 0.2492, 0.2680**.

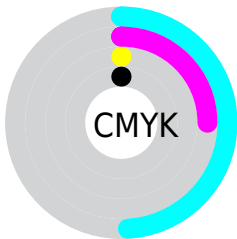
Distribution



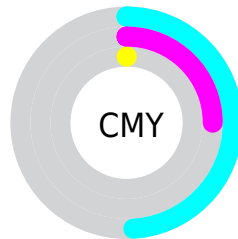
- Red (51%)
- Green (75%)
- Blue (100%)



- Red (51%)
- Yellow (67%)
- Blue (100%)



- Cyan (49%)
- Magenta (25%)
- Yellow (0%)
- Black (0%)



- Cyan (49%)
- Magenta (25%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.7927, 0.2329, 0.2488 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 48.7927, 0.2329, 0.2488 by changing the saturation by 10% instead.


 48.7927, 0.2329,
0.2488


 48.7927, 0.2329,
0.2488

381.9257, 0.2711,
0.2874


 34.4551, 0.2240,
0.2398

 88.3835, 0.2463,
0.2624

 23.2434, 0.2130,
0.2286


 114.4054, 0.2515,
0.2676

 14.7733, 0.1992,
0.2143


 145.0909, 0.2559,
0.2721

 8.6605, 0.1811,
0.1958

180.8244, 0.2598,
0.2760

 4.5204, 0.1572,
0.1711

221.9902, 0.2631,
0.2794

 1.9687, 0.1246,
0.1371

268.9728, 0.2661,

 0.5892, 0.0753,

0.2824

0.0868

322.1564, 0.2687,
0.2850

0.0000, 0.0000,
0.0000

48.7927, 0.2329,
0.2488

48.7927, 0.2329,
0.2488

41.5333, 0.2175,
0.2288

57.0739, 0.2492,
0.2680

35.2451, 0.2035,
0.2082

66.4248, 0.2659,
0.2858

29.8705, 0.1916,
0.1877

76.8889, 0.2825,
0.3022

25.3433, 0.1821,
0.1680

88.5070, 0.2987,
0.3170

21.5726, 0.1750,
0.1495

100.0000, 0.3127,
0.3290

■ 21.2316, 0.1744,
0.1478

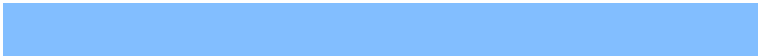
Harmonies

Analogous

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



48.7927, 0.2182, 0.2701



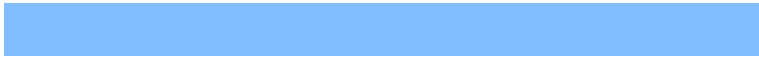
48.7927, 0.2329, 0.2488



48.7927, 0.2679, 0.2478

Triad

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



48.7927, 0.2329, 0.2488



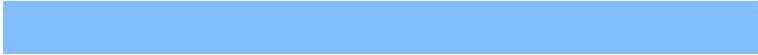
48.7927, 0.4079, 0.3349



48.7927, 0.3010, 0.4081

Complementary

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



48.7927, 0.2329, 0.2488



61.9109, 0.4144, 0.3960

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.



48.7927, 0.3525, 0.4243



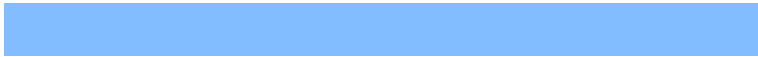
48.7927, 0.2329, 0.2488



48.7927, 0.4167, 0.3759

Square

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



48.7927, 0.2329, 0.2488



48.7927, 0.3704, 0.2955



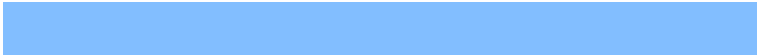
48.7927, 0.3954, 0.4098



48.7927, 0.2550, 0.3638

Rectangle

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



48.7927, 0.2329, 0.2488



48.7927, 0.3001, 0.2572



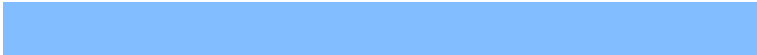
48.7927, 0.3954, 0.4098



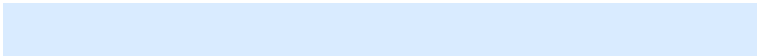
48.7927, 0.3182, 0.4172

Sweetspot

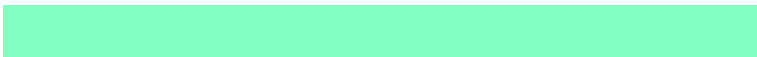
The Sweet Spot groups the original color and five complimentary colors.



48.7924, 0.2329, 0.2488



81.4111, 0.2891, 0.3083



80.1887, 0.2753, 0.4031



16.9119, 0.2856, 0.3051



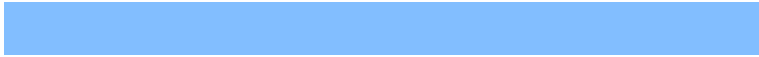
0.0000, 0.0000, 0.0000



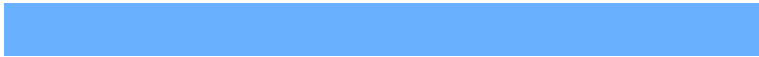
21.4041, 0.3127, 0.3290

Same Dimension

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



48.7924, 0.2329, 0.2488



41.5425, 0.2175, 0.2288



28.1029, 0.2198, 0.1737



18.8162, 0.2979, 0.3163



11.3892, 0.1752, 0.1507



1.3262, 0.1811, 0.1718

Inverse Universe

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



40.9469, 0.3825, 0.2676



34.4362, 0.4046, 0.2573



93.9992, 0.3835, 0.4491



18.1323, 0.3219, 0.3176



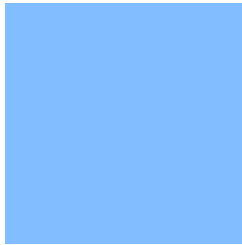
11.8777, 0.5050, 0.2555



1.1784, 0.4784, 0.2409

Previews

White Background



This preview shows how the Yxy color 48.7927, 0.2329, 0.2488 looks on a white background.

Color Contrast Check

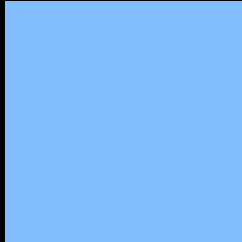
Large Text (above 18pt) WCAG AA × Fail

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 48.7927, 0.2329, 0.2488 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

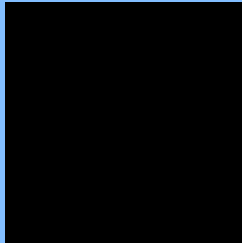
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

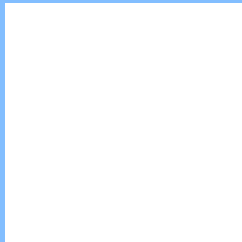
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.7927, 0.2329, 0.2488

Background



This preview shows how black text looks on a background with the Yxy color 48.7927, 0.2329, 0.2488.



This preview shows how white text looks on a background with the Yxy color 48.7927, 0.2329, 0.2488.

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

48.7927, 0.2329, 0.2488

Protanopia

48.4024, 0.2550, 0.2491

Deuteranopia

48.7684, 0.2494, 0.2438



Tritanopia

49.0251, 0.2484, 0.3070

Trichromacy



Original Color

48.7927, 0.2329, 0.2488

Protanomaly

48.4353, 0.2464, 0.2491

Deuteranomaly

48.8218, 0.2428, 0.2460

Tritanomaly

48.8249, 0.2425, 0.2841

Monochromacy



Original Color

48.7927, 0.2329, 0.2488

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

45.9490, 0.2777, 0.2974

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.7927, 0.2329, 0.2488 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(130, 190, 255)` looks like.

```
.text, #text, p{  
    color:rgb(130, 190, 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(130, 190, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 190, 255) }
```

Border

The CSS property to change the border of an element to Yxy 48.7927, 0.2329, 0.2488 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(130, 190, 255) }
```

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

```
.border{ border-color:rgb(130, 190, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 190, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 190, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 190, 255);  
box-shadow:4px 4px 4px 4px rgb(130, 190,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 48.7927, 0.2329, 0.2488 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 190, 255) }
```

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

```
.background{ background-color: rgb(130,  
190, 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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