

Converting Colors

$Y_{xy}(47.4715, 0.2295, 0.2456)$

Have a look what the booklet for
Yxy(47.4715, 0.2295, 0.2456)
contains.

Yxy(47.4715, 0.2295, 0.2456)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(47.4715, 0.2295, 0.2456)

Conversions

Conversions Part 1

Format	Color
Hex	7CBCFF
RGB	124, 188, 255
RGB Percent	49%, 74%, 100%
CMY	0.5133, 0.2628, 0.0000
CMYK	0.51, 0.26, 0.00, 0.00
HSL	211°, 100%, 74%
HSV	211°, 51%, 100%
XYZ	44.3596, 47.4715, 101.4568
YIQ	176.5020, -59.6510, 7.2690

Conversions

Conversions Part 2

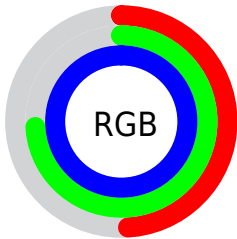
Format	Color
RYB	124, 167, 255
Decimal	8174847
CIELab	74.49, -2.20, -39.33
CIELCh	74, 39.389, 266.792
Yxy	47.4715, 0.2295, 0.2456
Android (android.graphics.Color)	4286364927 (0xFF7CBCFF)
YUV	176.5020, 38.6995, -46.0443
Hunter-Lab	68.8996, -5.6507, -39.0767

Details

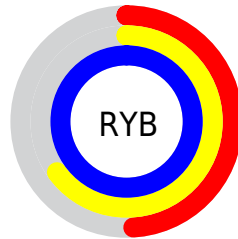
The Yxy color **47.4715, 0.2295, 0.2456** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **60.0329, 0.4210, 0.3978**, and the grayscale version is **43.5197, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.9886, 0.2703, 0.3170**, and **22.4293, 0.2086, 0.2245** is the 20% darker color. If you saturate the color by 10%, you get **40.4813, 0.2145, 0.2257**, and if you desaturate by 10%, it is **55.4572, 0.2456, 0.2647**.

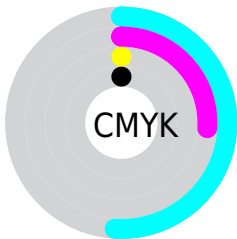
Distribution



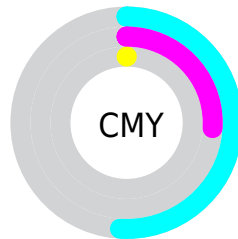
- Red (49%)
- Green (74%)
- Blue (100%)



- Red (49%)
- Yellow (65%)
- Blue (100%)



- Cyan (51%)
- Magenta (26%)
- Yellow (0%)
- Black (0%)



- Cyan (51%)
- Magenta (26%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.4715, 0.2295, 0.2456 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 47.4715, 0.2295, 0.2456 by changing the saturation by 10% instead.

■ 47.4715, 0.2295,
0.2456

■ 47.4715, 0.2295,
0.2456

376.6934, 0.2694,
0.2858

■ 33.4085, 0.2202,
0.2362

■ 86.4170, 0.2435,
0.2598

■ 22.4396, 0.2088,
0.2245

■ 112.0683, 0.2489,
0.2652

■ 14.1803, 0.1942,
0.2096

■ 142.3513, 0.2535,
0.2699

■ 8.2462, 0.1755,
0.1903

177.6502, 0.2576,
0.2740

■ 4.2529, 0.1506,
0.1646

218.3494, 0.2611,
0.2775

■ 1.8160, 0.1170,
0.1295

264.8335, 0.2642,

■ 0.4971, 0.0636,

0.2806

0.0756

317.4867, 0.2669,
0.2834

0.0000, 0.0000,
0.0000

47.4715, 0.2295,
0.2456

47.4715, 0.2295,
0.2456

40.4813, 0.2145,
0.2257

55.4572, 0.2456,
0.2647

34.4352, 0.2011,
0.2054

64.4864, 0.2621,
0.2826

29.2747, 0.1898,
0.1854

74.6025, 0.2787,
0.2990

24.9318, 0.1809,
0.1661

85.8466, 0.2950,
0.3140

21.7459, 0.1751,
0.1505

98.2572, 0.3107,
0.3273

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



47.4715, 0.2145, 0.2677



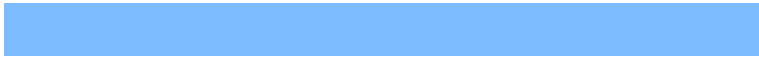
47.4715, 0.2295, 0.2456



47.4715, 0.2656, 0.2445

Triad

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



47.4715, 0.2295, 0.2456



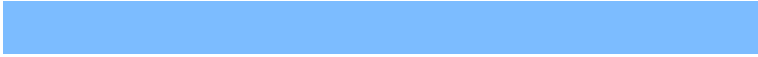
47.4715, 0.4119, 0.3345



47.4715, 0.3006, 0.4122

Complementary

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



47.4715, 0.2295, 0.2456



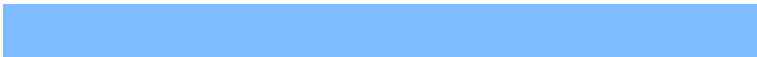
60.0329, 0.4210, 0.3978

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.



47.4715, 0.3543, 0.4287



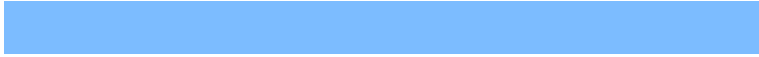
47.4715, 0.2295, 0.2456



47.4715, 0.4213, 0.3772

Square

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



47.4715, 0.2295, 0.2456



47.4715, 0.3725, 0.2938



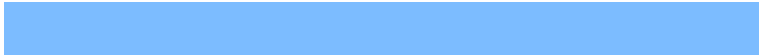
47.4715, 0.3991, 0.4128



47.4715, 0.2527, 0.3657

Rectangle

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



47.4715, 0.2295, 0.2456



47.4715, 0.2991, 0.2543



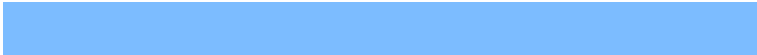
47.4715, 0.3991, 0.4128



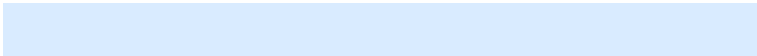
47.4715, 0.3186, 0.4216

Sweetspot

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



47.4713, 0.2295, 0.2456



81.5886, 0.2891, 0.3087



79.5110, 0.2751, 0.4102



16.9546, 0.2857, 0.3055



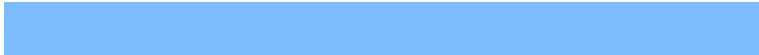
0.0000, 0.0000, 0.0000



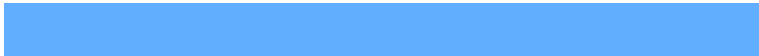
21.4041, 0.3127, 0.3290

Same Dimension

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



47.4713, 0.2295, 0.2456



40.0485, 0.2135, 0.2244



25.9542, 0.2135, 0.1649



18.8412, 0.2979, 0.3165



11.6594, 0.1760, 0.1534



1.3531, 0.1818, 0.1743

Inverse Universe

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



39.3314, 0.3862, 0.2640



32.8490, 0.4101, 0.2534



94.2379, 0.3879, 0.4532



18.1348, 0.3217, 0.3175



11.9050, 0.5015, 0.2537



1.1811, 0.4754, 0.2393

Previews

White Background



This preview shows how the Yxy color 47.4715, 0.2295, 0.2456 looks on a white background.

Color Contrast Check

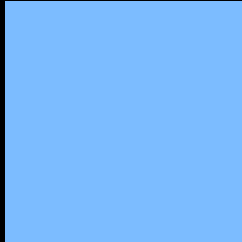
Large Text (above 18pt) WCAG AA × Fail

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 47.4715, 0.2295, 0.2456 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

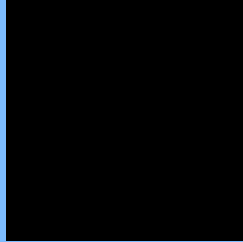
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

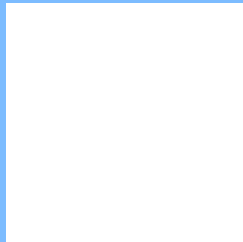
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.4715, 0.2295, 0.2456

Background



This preview shows how black text looks on a background with the Yxy color 47.4715, 0.2295, 0.2456.

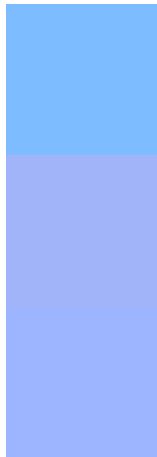


This preview shows how white text looks on a background with the Yxy color 47.4715, 0.2295, 0.2456.

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

47.4715, 0.2295, 0.2456

Protanopia

47.1635, 0.2521, 0.2461

Deuteranopia

47.4358, 0.2459, 0.2406



Tritanopia

47.5483, 0.2454, 0.3066

Trichromacy



Original Color

47.4715, 0.2295, 0.2456

Protanomaly

47.1279, 0.2430, 0.2460

Deuteranomaly

47.5207, 0.2395, 0.2428

Tritanomaly

47.3862, 0.2390, 0.2821

Monochromacy



Original Color

47.4715, 0.2295, 0.2456

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

44.7246, 0.2766, 0.2970

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.4715, 0.2295, 0.2456 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(124, 188, 255)` looks like.

```
.text, #text, p{  
    color:rgb(124, 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(124, 188, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 188, 255) }
```

Border

The CSS property to change the border of an element to Yxy 47.4715, 0.2295, 0.2456 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(124, 188, 255) }
```

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

```
.border{ border-color:rgb(124, 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(124, 188, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 188, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 188, 255);  
box-shadow:4px 4px 4px 4px rgb(124, 188,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 47.4715, 0.2295, 0.2456 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 188, 255) }
```

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

```
.background{ background-color: rgb(124,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor