

Converting Colors

Yxy(54.3415, 0.2031, 0.1760)

Have a look what the booklet for
Yxy(54.3415, 0.2031, 0.1760)
contains.

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Color

Yxy(47.4887, 0.2345, 0.2442)

Conversions

Conversions Part 1

Format	Color
Hex	87BAFF
RGB	135, 186, 255
RGB Percent	53%, 73%, 100%
CMY	0.4705, 0.2706, 0.0000
CMYK	0.47, 0.27, 0.00, 0.00
HSL	215°, 100%, 76%
HSV	215°, 47%, 100%
XYZ	45.6024, 47.4887, 101.3753
YIQ	178.6170, -52.5450, 10.6470

Conversions

Conversions Part 2

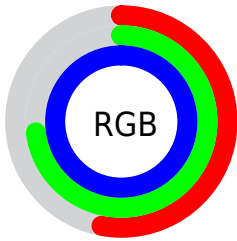
Format	Color
RYB	135, 171, 255
Decimal	8895231
CIELab	74.50, 1.34, -39.26
CIElCh	75, 39.279, 271.951
Yxy	47.4887, 0.2345, 0.2442
Android (android.graphics.Color)	4287085311 (0xFF87BAFF)
YUV	178.6170, 37.6568, -38.2521
Hunter-Lab	68.9120, -2.4741, -38.9821

Details

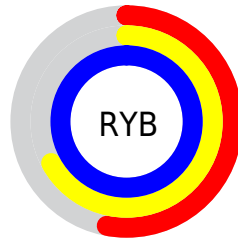
The Yxy color **47.4887, 0.2345, 0.2442** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **66.2021, 0.4059, 0.3998**, and the grayscale version is **44.6841, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.0617, 0.2756, 0.3150**, and **22.4301, 0.2149, 0.2228** is the 20% darker color. If you saturate the color by 10%, you get **39.7569, 0.2181, 0.2221**, and if you desaturate by 10%, it is **56.3637, 0.2516, 0.2653**.

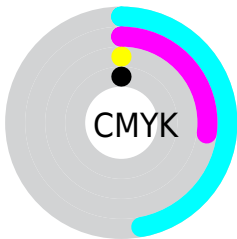
Distribution



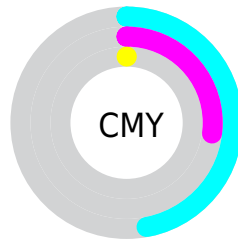
- Red (53%)
- Green (73%)
- Blue (100%)



- Red (53%)
- Yellow (67%)
- Blue (100%)



- Cyan (47%)
- Magenta (27%)
- Yellow (0%)
- Black (0%)



- Cyan (47%)
- Magenta (27%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.4887, 0.2345, 0.2442 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 47.4887, 0.2345, 0.2442 by changing the saturation by 10% instead.

■ 47.4887, 0.2345,
0.2442

■ 47.4887, 0.2345,
0.2442

376.7619, 0.2722,
0.2849

■ 33.4222, 0.2257,
0.2347

■ 86.4426, 0.2478,
0.2585

■ 22.4500, 0.2148,
0.2230

■ 112.0988, 0.2529,
0.2640

■ 14.1880, 0.2009,
0.2082

■ 142.3870, 0.2572,
0.2687

■ 8.2515, 0.1829,
0.1889

177.6916, 0.2610,
0.2728

■ 4.2563, 0.1588,
0.1633

218.3970, 0.2643,
0.2764

■ 1.8179, 0.1259,
0.1285

264.8876, 0.2673,

■ 0.4983, 0.0761,

0.2796

0.0749

317.5477, 0.2698,
0.2824

0.0000, 0.0000,
0.0000

47.4887, 0.2345,
0.2442

47.4887, 0.2345,
0.2442

39.7569, 0.2181,
0.2221

56.3637, 0.2516,
0.2653

33.1085, 0.2030,
0.1994

66.4293, 0.2688,
0.2848

27.4833, 0.1899,
0.1769

77.7346, 0.2856,
0.3027

22.8112, 0.1793,
0.1554

90.3245, 0.3018,
0.3187

19.0073, 0.1715,
0.1357

100.0000, 0.3127,
0.3290

■ 18.0208, 0.1695,
0.1303

Harmonies

Analogous

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



47.4887, 0.2157, 0.2625



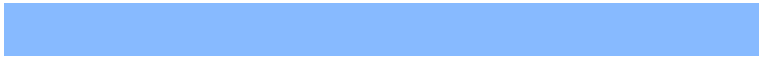
47.4887, 0.2345, 0.2442



47.4887, 0.2738, 0.2465

Triad

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



47.4887, 0.2345, 0.2442



47.4887, 0.4156, 0.3419



47.4887, 0.2916, 0.4057

Complementary

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



47.4887, 0.2345, 0.2442



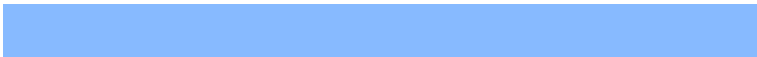
66.2021, 0.4059, 0.3998

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.



47.4887, 0.3452, 0.4281



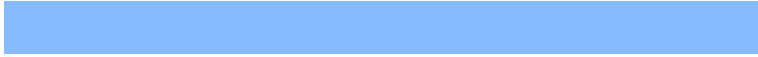
47.4887, 0.2345, 0.2442



47.4887, 0.4193, 0.3840

Square

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



47.4887, 0.2345, 0.2442



47.4887, 0.3808, 0.3005



47.4887, 0.3924, 0.4172



47.4887, 0.2462, 0.3561

Rectangle

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



47.4887, 0.2345, 0.2442



47.4887, 0.3085, 0.2582



47.4887, 0.3924, 0.4172



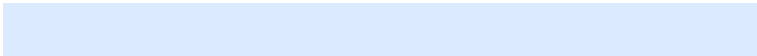
47.4887, 0.3093, 0.4169

Sweetspot

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



47.4900, 0.2345, 0.2442



81.4403, 0.2906, 0.3078



80.9842, 0.2735, 0.3918



16.8684, 0.2871, 0.3042



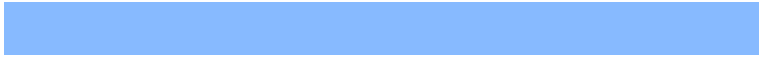
0.0000, 0.0000, 0.0000



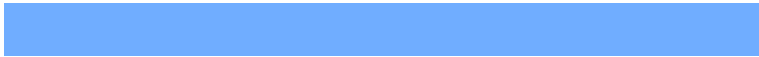
21.4041, 0.3127, 0.3290

Same Dimension

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



47.4900, 0.2345, 0.2442



40.5192, 0.2198, 0.2244



30.3928, 0.2279, 0.1821



18.6467, 0.2979, 0.3150



9.6975, 0.1704, 0.1333



1.1553, 0.1765, 0.1554

Inverse Universe

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



42.1371, 0.3856, 0.2765



35.9050, 0.4073, 0.2679



93.0440, 0.3768, 0.4467



18.1152, 0.3227, 0.3189



11.7069, 0.5281, 0.2683



1.1612, 0.4990, 0.2522

Previews

White Background



This preview shows how the Yxy color 47.4887, 0.2345, 0.2442 looks on a white background.

Color Contrast Check

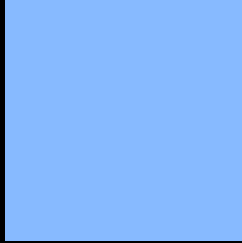
Large Text (above 18pt) WCAG AA × Fail

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 47.4887, 0.2345, 0.2442 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

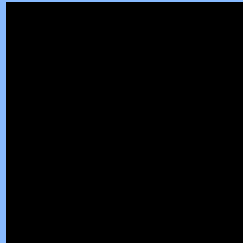
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

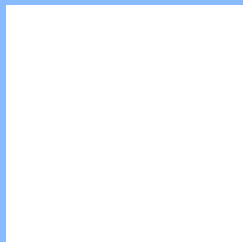
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.4887, 0.2345, 0.2442

Background



This preview shows how black text looks on a background with the Yxy color 47.4887, 0.2345, 0.2442.



This preview shows how white text looks on a background with the Yxy color 47.4887, 0.2345, 0.2442.

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

47.4887, 0.2345, 0.2442

Protanopia

47.2260, 0.2516, 0.2451

Deuteranopia

47.4358, 0.2459, 0.2406



Tritanopia

47.3743, 0.2523, 0.3069

Trichromacy



Original Color

47.4887, 0.2345, 0.2442

Protanomaly

47.1596, 0.2447, 0.2442

Deuteranomaly

47.4765, 0.2416, 0.2421

Tritanomaly

47.2646, 0.2458, 0.2825

Monochromacy



Original Color

47.4887, 0.2345, 0.2442

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

45.7474, 0.2791, 0.2962

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.4887, 0.2345, 0.2442 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(135, 186, 255)` looks like.

```
.text, #text, p{  
    color:rgb(135, 186, 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(135, 186, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 186, 255) }
```

Border

The CSS property to change the border of an element to Yxy 47.4887, 0.2345, 0.2442 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(135, 186, 255) }
```

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

```
.border{ border-color:rgb(135, 186, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 186, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 186, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 186, 255);  
box-shadow:4px 4px 4px 4px rgb(135, 186,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 47.4887, 0.2345, 0.2442 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 186, 255) }
```

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

```
.background{ background-color: rgb(135,  
186, 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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