

Converting Colors

$Y_{xy}(49.3294, 0.2351, 0.2499)$

Have a look what the booklet for
Yxy(49.3294, 0.2351, 0.2499)
contains.

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Color

Yxy(49.1152, 0.2349, 0.2492)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | 86BEFF |
| RGB | 134, 190, 255 |
| RGB Percent | 53%, 75%, 100% |
| CMY | 0.4746, 0.2549, 0.0000 |
| CMYK | 0.47, 0.25, 0.00, 0.00 |
| HSL | 212°, 100%, 76% |
| HSV | 212°, 47%, 100% |
| XYZ | 46.2968, 49.1152, 101.6795 |
| YIQ | 180.6660, -54.2410, 8.3430 |

Conversions

Conversions Part 2

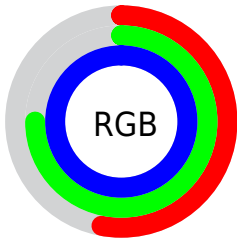
| Format | Color |
|-------------------------------------|---|
| RYB | 134, 172, 255 |
| Decimal | 8830719 |
| CIELab | 75.52, -1.09, -37.69 |
| CIElCh | 76, 37.706, 268.344 |
| Yxy | 49.1152, 0.2349, 0.2492 |
| Android (android.graphics.Color) | 4287020799 (0xFF86BEFF) |
| YUV | 180.6660, 36.6467, -40.9261 |
| Hunter-Lab | 70.0822, -4.7256, -36.9639 |

Details

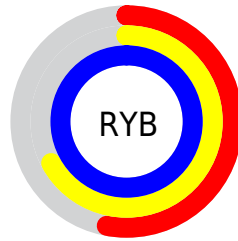
The Yxy color **49.1152, 0.2349, 0.2492** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **63.8174, 0.4093, 0.3960**, and the grayscale version is **45.8363, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.3380, 0.2754, 0.3193**, and **23.4644, 0.2155, 0.2294** is the 20% darker color. If you saturate the color by 10%, you get **41.6093, 0.2191, 0.2286**, and if you desaturate by 10%, it is **57.6823, 0.2515, 0.2689**.

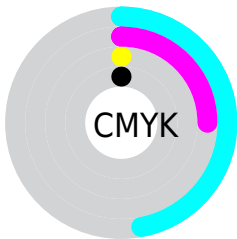
Distribution



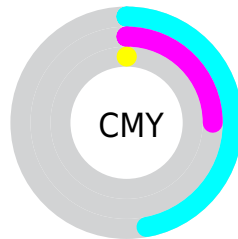
- Red (53%)
- Green (75%)
- Blue (100%)



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



- Cyan (47%)
- Magenta (25%)
- Yellow (0%)
- Black (0%)



- Cyan (47%)
- Magenta (25%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.1152, 0.2349, 0.2492 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 49.1152, 0.2349, 0.2492 by changing the saturation by 10% instead.

■ 49.1152, 0.2349,
0.2492

■ 49.1152, 0.2349,
0.2492

■ 383.1957, 0.2721,
0.2875

■ 34.7109, 0.2262,
0.2403

■ 88.8625, 0.2480,
0.2627

■ 23.4402, 0.2155,
0.2292

■ 114.9743, 0.2530,
0.2679

■ 14.9189, 0.2019,
0.2151

■ 145.7574, 0.2574,
0.2723

■ 8.7625, 0.1843,
0.1968

■ 181.5961, 0.2611,
0.2762

■ 4.5866, 0.1607,
0.1722

■ 222.8749, 0.2644,
0.2796

■ 2.0068, 0.1286,
0.1386

■ 269.9782, 0.2673,

■ 0.6114, 0.0808,

0.2825

0.0891

323.2903, 0.2698,
0.2852

0.0000, 0.0000,
0.0000

49.1152, 0.2349,
0.2492

49.1152, 0.2349,
0.2492

41.6093, 0.2191,
0.2286

57.6823, 0.2515,
0.2689

35.1145, 0.2046,
0.2074

67.3606, 0.2684,
0.2871

29.5721, 0.1921,
0.1862

78.1939, 0.2850,
0.3038

24.9160, 0.1820,
0.1659

90.2241, 0.3012,
0.3188

21.0642, 0.1745,
0.1468

100.0000, 0.3127,
0.3290

■ 20.1871, 0.1729,
0.1422

Harmonies

Analogous

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



49.1152, 0.2194, 0.2694



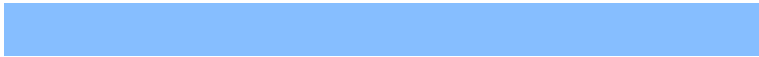
49.1152, 0.2349, 0.2492



49.1152, 0.2704, 0.2490

Triad

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



49.1152, 0.2349, 0.2492



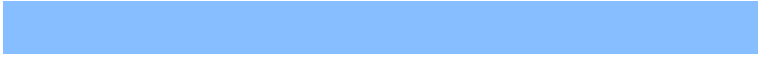
49.1152, 0.4078, 0.3367



49.1152, 0.2989, 0.4056

Complementary

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



49.1152, 0.2349, 0.2492



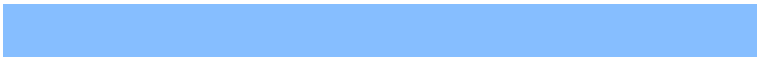
63.8174, 0.4093, 0.3960

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.



49.1152, 0.3499, 0.4232



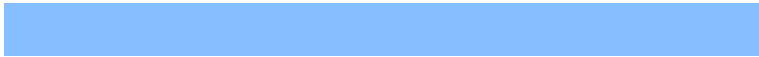
49.1152, 0.2349, 0.2492



49.1152, 0.4152, 0.3772

Square

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



49.1152, 0.2349, 0.2492



49.1152, 0.3718, 0.2975



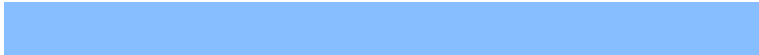
49.1152, 0.3930, 0.4101



49.1152, 0.2539, 0.3611

Rectangle

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



49.1152, 0.2349, 0.2492



49.1152, 0.3026, 0.2588



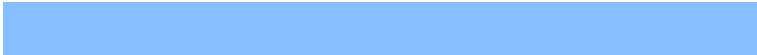
49.1152, 0.3930, 0.4101



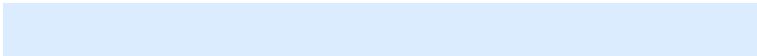
49.1152, 0.3159, 0.4151

Sweetspot

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



49.1145, 0.2349, 0.2492



82.2174, 0.2907, 0.3092



80.6882, 0.2752, 0.3977



17.0571, 0.2872, 0.3058



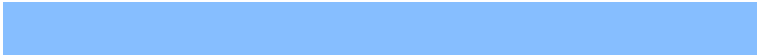
0.0000, 0.0000, 0.0000



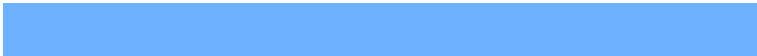
21.4041, 0.3127, 0.3290

Same Dimension

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



49.1145, 0.2349, 0.2492



41.9311, 0.2198, 0.2296



29.6692, 0.2244, 0.1797



18.7636, 0.2979, 0.3159



10.8398, 0.1737, 0.1452



1.2713, 0.1796, 0.1667

Inverse Universe

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



42.0225, 0.3815, 0.2715



35.5082, 0.4030, 0.2616



93.7436, 0.3801, 0.4464



18.1270, 0.3221, 0.3180



11.8222, 0.5122, 0.2595



1.1729, 0.4848, 0.2444

Previews

White Background



This preview shows how the Yxy color 49.1152, 0.2349, 0.2492 looks on a white background.

Color Contrast Check

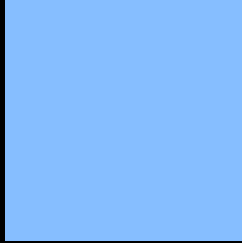
Large Text (above 18pt) WCAG AA × Fail

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 49.1152, 0.2349, 0.2492 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

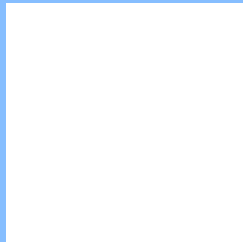
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.1152, 0.2349, 0.2492

Background



This preview shows how black text looks on a background with the Yxy color 49.1152, 0.2349, 0.2492.



This preview shows how white text looks on a background with the Yxy color 49.1152, 0.2349, 0.2492.

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

49.1152, 0.2349, 0.2492

Protanopia

48.8761, 0.2546, 0.2493

Deuteranopia

48.8735, 0.2500, 0.2439



Tritanopia

49.3082, 0.2505, 0.3071

Trichromacy



Original Color

49.1152, 0.2349, 0.2492

Protanomaly

49.0161, 0.2466, 0.2495

Deuteranomaly

49.0132, 0.2439, 0.2462

Tritanomaly

49.1230, 0.2446, 0.2843

Monochromacy



Original Color

49.1152, 0.2349, 0.2492

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

46.7276, 0.2793, 0.2977

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.1152, 0.2349, 0.2492 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(134, 190, 255)` looks like.

```
.text, #text, p{  
    color:rgb(134, 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(134, 190, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 190, 255) }
```

Border

The CSS property to change the border of an element to Yxy 49.1152, 0.2349, 0.2492 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(134, 190, 255) }
```

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

```
.border{ border-color:rgb(134, 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(134, 190, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 190, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 190, 255);  
box-shadow:4px 4px 4px 4px rgb(134, 190,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 49.1152, 0.2349, 0.2492 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 190, 255) }
```

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

```
.background{ background-color: rgb(134,  
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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