

Converting Colors

$Y_{xy}(54.9255, 0.2051, 0.1836)$

Have a look what the booklet for
Yxy(54.9255, 0.2051, 0.1836)
contains.

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Color

Yxy(48.5207, 0.2337, 0.2478)

Conversions

Conversions Part 1

Format	Color
Hex	84BDFF
RGB	132, 189, 255
RGB Percent	52%, 74%, 100%
CMY	0.4823, 0.2588, 0.0002
CMYK	0.48, 0.26, 0.00, 0.00
HSL	212°, 100%, 76%
HSV	212°, 48%, 100%
XYZ	45.7598, 48.5207, 101.5254
YIQ	179.4810, -55.1580, 8.4420

Conversions

Conversions Part 2

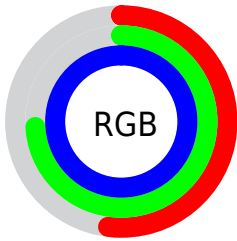
Format	Color
RYB	132, 171, 255
Decimal	8699391
CIELab	75.15, -1.02, -38.23
CIELCh	75, 38.244, 268.474
Yxy	48.5207, 0.2337, 0.2478
Android (android.graphics.Color)	4286889471 (0xFF84BDFF)
YUV	179.4810, 37.2309, -41.6408
Hunter-Lab	69.6568, -4.6369, -37.6559

Details

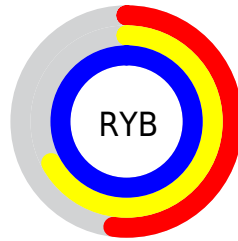
The Yxy color **48.5207, 0.2337, 0.2478** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **63.2957, 0.4112, 0.3969**, and the grayscale version is **45.1716, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.4720, 0.2742, 0.3182**, and **23.1020, 0.2141, 0.2274** is the 20% darker color. If you saturate the color by 10%, you get **41.1017, 0.2180, 0.2271**, and if you desaturate by 10%, it is **57.0005, 0.2503, 0.2675**.

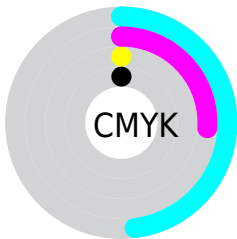
Distribution



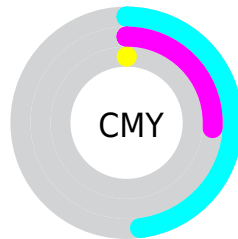
- Red (52%)
- Green (74%)
- Blue (100%)



- Red (52%)
- Yellow (67%)
- Blue (100%)



- Cyan (48%)
- Magenta (26%)
- Yellow (0%)
- Black (0%)




- Cyan (48%)
- Magenta (26%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.5207, 0.2337, 0.2478 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 48.5207, 0.2337, 0.2478 by changing the saturation by 10% instead.

 48.5207, 0.2337,
0.2478

 48.5207, 0.2337,
0.2478


380.8524, 0.2716,
0.2868

 34.2394, 0.2249,
0.2387

 87.9792, 0.2470,
0.2615

 23.0776, 0.2140,
0.2274


 113.9252, 0.2521,
0.2668

 14.6508, 0.2001,
0.2130


 144.5282, 0.2565,
0.2714

 8.5747, 0.1822,
0.1944

180.1726, 0.2603,
0.2753

 4.4648, 0.1583,
0.1694

221.2428, 0.2637,
0.2787

 1.9368, 0.1257,
0.1353

268.1233, 0.2666,

 0.5704, 0.0765,

0.2817

0.0844

321.1983, 0.2692,
0.2844

0.0000, 0.0000,
0.0000

48.5207, 0.2337,
0.2478

48.5207, 0.2337,
0.2478

41.1017, 0.2180,
0.2271

57.0005, 0.2503,
0.2675

34.6855, 0.2036,
0.2059

66.5839, 0.2671,
0.2858

29.2157, 0.1913,
0.1848

77.3173, 0.2838,
0.3026

24.6255, 0.1814,
0.1645

89.2427, 0.3000,
0.3178

20.8282, 0.1741,
0.1457

99.9973, 0.3127,
0.3290

■ 20.2162, 0.1729,
0.1424

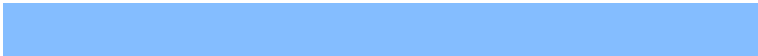
Harmonies

Analogous

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



48.5207, 0.2179, 0.2681



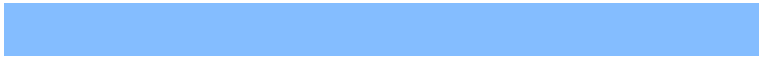
48.5207, 0.2337, 0.2478



48.5207, 0.2698, 0.2477

Triad

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



48.5207, 0.2337, 0.2478



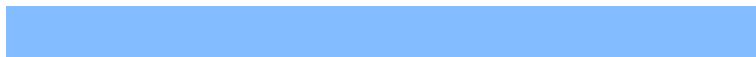
48.5207, 0.4097, 0.3369



48.5207, 0.2983, 0.4070

Complementary

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



48.5207, 0.2337, 0.2478



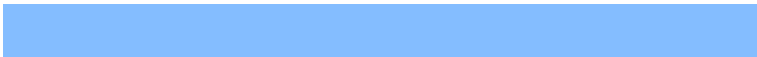
63.2957, 0.4112, 0.3969

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.



48.5207, 0.3503, 0.4250



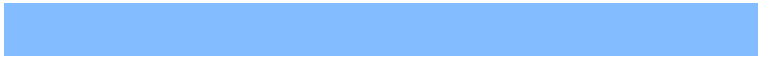
48.5207, 0.2337, 0.2478



48.5207, 0.4170, 0.3780

Square

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



48.5207, 0.2337, 0.2478



48.5207, 0.3731, 0.2971



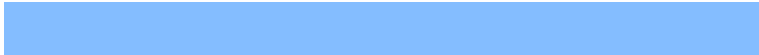
48.5207, 0.3942, 0.4116



48.5207, 0.2527, 0.3614

Rectangle

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



48.5207, 0.2337, 0.2478



48.5207, 0.3026, 0.2578



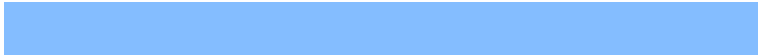
48.5207, 0.3942, 0.4116



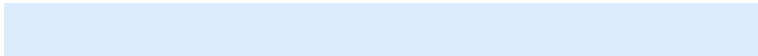
48.5207, 0.3156, 0.4167

Sweetspot

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



48.5225, 0.2337, 0.2478



82.2298, 0.2907, 0.3092



80.4591, 0.2748, 0.3990



17.0601, 0.2872, 0.3059



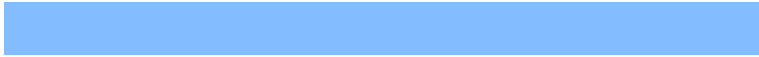
0.0000, 0.0000, 0.0000



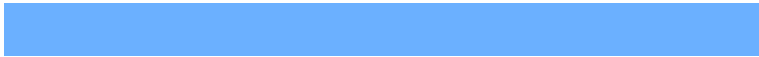
21.4041, 0.3127, 0.3290

Same Dimension

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



48.5225, 0.2337, 0.2478



41.2673, 0.2183, 0.2276



28.9705, 0.2228, 0.1770



18.7655, 0.2979, 0.3159



10.8589, 0.1737, 0.1454



1.2732, 0.1797, 0.1668

Inverse Universe

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



41.4353, 0.3830, 0.2705



34.9172, 0.4053, 0.2606



93.6434, 0.3811, 0.4480



18.1272, 0.3221, 0.3180



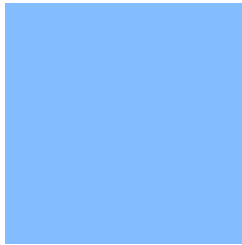
11.8242, 0.5119, 0.2594



1.1731, 0.4845, 0.2443

Previews

White Background



This preview shows how the Yxy color 48.5207, 0.2337, 0.2478 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 48.5207, 0.2337, 0.2478 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

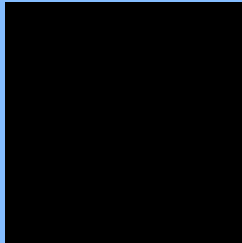
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

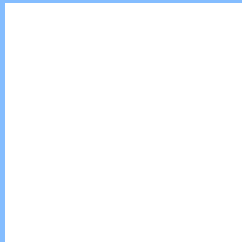
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.5207, 0.2337, 0.2478

Background



This preview shows how black text looks on a background with the Yxy color 48.5207, 0.2337, 0.2478.



This preview shows how white text looks on a background with the Yxy color 48.5207, 0.2337, 0.2478.

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

48.5207, 0.2337, 0.2478

Protanopia

48.2948, 0.2544, 0.2490

Deuteranopia

48.2530, 0.2486, 0.2424



Tritanopia

48.6585, 0.2497, 0.3070

Trichromacy



Original Color

48.5207, 0.2337, 0.2478

Protanomaly

48.4353, 0.2464, 0.2491

Deuteranomaly

48.4020, 0.2426, 0.2447

Tritanomaly

48.4701, 0.2438, 0.2841

Monochromacy



Original Color

48.5207, 0.2337, 0.2478

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

46.0533, 0.2784, 0.2975

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.5207, 0.2337, 0.2478 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(132, 189, 255)` looks like.

```
.text, #text, p{  
    color:rgb(132, 189, 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(132, 189, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 189, 255) }
```

Border

The CSS property to change the border of an element to Yxy 48.5207, 0.2337, 0.2478 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(132, 189, 255) }
```

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

```
.border{ border-color:rgb(132, 189, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 189, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 189, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 189, 255);  
box-shadow:4px 4px 4px 4px rgb(132, 189,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 48.5207, 0.2337, 0.2478 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 189, 255) }
```

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

```
.background{ background-color: rgb(132,  
189, 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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