

Converting Colors

$Yxy(48.5210, 0.2316, 0.2484)$

Have a look what the booklet for
Yxy(48.5210, 0.2316, 0.2484)
contains.

Yxy(48.5589, 0.2314, 0.2485)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(48.5589, 0.2314, 0.2485)

Conversions

Conversions Part 1

Format	Color
Hex	7FBEFF
RGB	127, 190, 255
RGB Percent	50%, 75%, 100%
CMY	0.5021, 0.2549, 0.0000
CMYK	0.50, 0.25, 0.00, 0.00
HSL	210°, 100%, 75%
HSV	210°, 50%, 100%
XYZ	45.2174, 48.5589, 101.6317
YIQ	178.5730, -58.4130, 6.8590

Conversions

Conversions Part 2

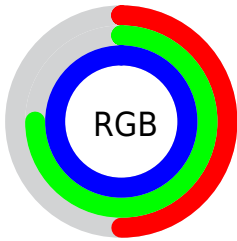
Format	Color
R_{YB}	127, 169, 255
Decimal	8371967
CIE _{Lab}	75.18, -2.68, -38.26
CIE _{LCh}	75, 38.351, 265.999
Yxy	48.5589, 0.2314, 0.2485
Android (android.graphics.Color)	4286562047 (0xFF7FBEFF)
YUV	178.5730, 37.6785, -45.2295
Hunter-Lab	69.6842, -6.1204, -37.6932

Details

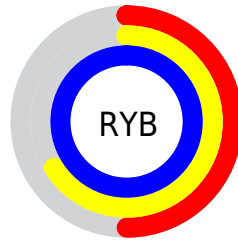
The Yxy color **48.5589, 0.2314, 0.2485** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **60.4778, 0.4184, 0.3959**, and the grayscale version is **44.6557, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.5706, 0.2722, 0.3192**, and **23.1268, 0.2112, 0.2284** is the 20% darker color. If you saturate the color by 10%, you get **41.4807, 0.2163, 0.2289**, and if you desaturate by 10%, it is **56.6287, 0.2475, 0.2673**.

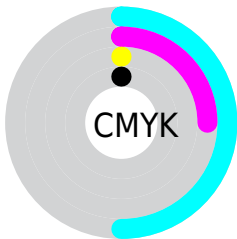
Distribution



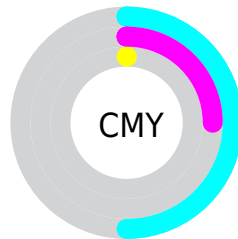
- Red (50%)
- Green (75%)
- Blue (100%)



- Red (50%)
- Yellow (66%)
- Blue (100%)



- Cyan (50%)
- Magenta (25%)
- Yellow (0%)
- Black (0%)



- Cyan (50%)
- Magenta (25%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.5589, 0.2314, 0.2485 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 48.5589, 0.2314, 0.2485 by changing the saturation by 10% instead.

■ 48.5589, 0.2314,
0.2485

■ 48.5589, 0.2314,
0.2485

■ 381.0032, 0.2703,
0.2873

■ 34.2697, 0.2224,
0.2394

■ 88.0360, 0.2450,
0.2622

■ 23.1009, 0.2112,
0.2281

■ 113.9926, 0.2503,
0.2674

■ 14.6680, 0.1971,
0.2138

■ 144.6072, 0.2548,
0.2719

■ 8.5867, 0.1788,
0.1951

■ 180.2642, 0.2587,
0.2759

■ 4.4726, 0.1545,
0.1702

■ 221.3478, 0.2622,
0.2793

■ 1.9413, 0.1216,
0.1359

■ 268.2427, 0.2652,

■ 0.5730, 0.0711,

0.2823

0.0850

321.3330, 0.2679,
0.2849

0.0000, 0.0000,
0.0000

48.5589, 0.2314,
0.2485

48.5589, 0.2314,
0.2485

41.4807, 0.2163,
0.2289

56.6287, 0.2475,
0.2673

35.3459, 0.2027,
0.2088

65.7395, 0.2641,
0.2849

30.0965, 0.1912,
0.1888

75.9334, 0.2806,
0.3010

25.6661, 0.1822,
0.1696

87.2507, 0.2968,
0.3156

22.0245, 0.1755,
0.1519

99.7295, 0.3124,
0.3287

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.



48.5589, 0.2174, 0.2706



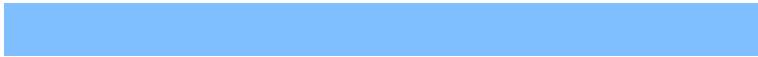
48.5589, 0.2314, 0.2485



48.5589, 0.2660, 0.2468

Triad

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



48.5589, 0.2314, 0.2485



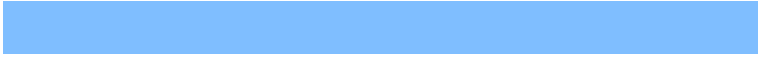
48.5589, 0.4079, 0.3335



48.5589, 0.3025, 0.4100

Complementary

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



48.5589, 0.2314, 0.2485



60.4778, 0.4184, 0.3959

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.



48.5589, 0.3545, 0.4252



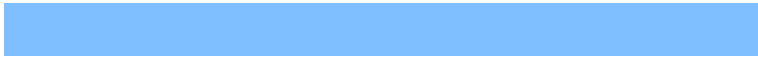
48.5589, 0.2314, 0.2485



48.5589, 0.4179, 0.3749

Square

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



48.5589, 0.2314, 0.2485



48.5589, 0.3693, 0.2940



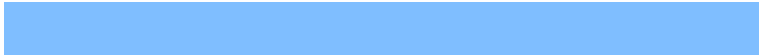
48.5589, 0.3973, 0.4096



48.5589, 0.2558, 0.3659

Rectangle

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



48.5589, 0.2314, 0.2485



48.5589, 0.2982, 0.2560



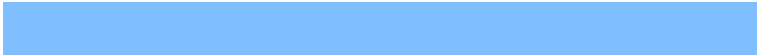
48.5589, 0.3973, 0.4096



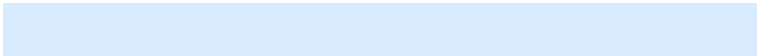
48.5589, 0.3200, 0.4188

Sweetspot

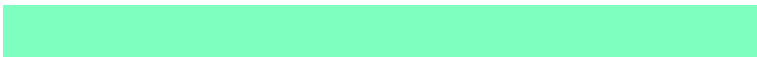
The Sweet Spot groups the original color and five complimentary colors.



48.5580, 0.2314, 0.2485



81.6834, 0.2891, 0.3088



79.7909, 0.2757, 0.4080



16.9774, 0.2857, 0.3057



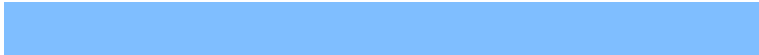
0.0000, 0.0000, 0.0000



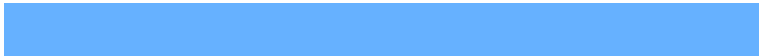
21.4041, 0.3127, 0.3290

Same Dimension

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



48.5580, 0.2314, 0.2485



41.6173, 0.2166, 0.2293



26.9017, 0.2159, 0.1689



18.8546, 0.2979, 0.3166



11.8057, 0.1763, 0.1548



1.3675, 0.1821, 0.1756

Inverse Universe

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



40.1495, 0.3832, 0.2647



33.9500, 0.4045, 0.2545



94.3116, 0.3865, 0.4509



18.1362, 0.3217, 0.3174



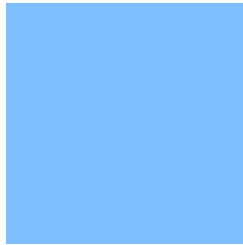
11.9198, 0.4997, 0.2526



1.1826, 0.4738, 0.2384

Previews

White Background



This preview shows how the Yxy color 48.5589, 0.2314, 0.2485 looks on a white background.

Color Contrast Check

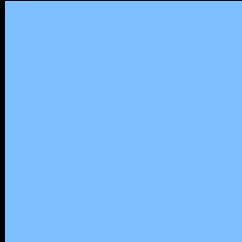
Large Text (above 18pt) WCAG AA × Fail

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 48.5589, 0.2314, 0.2485 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

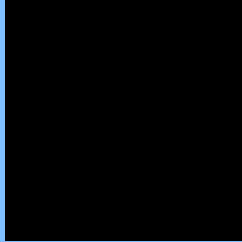
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

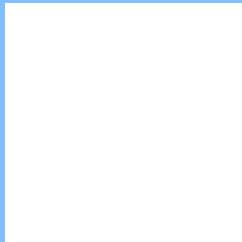
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.5589, 0.2314, 0.2485

Background



This preview shows how black text looks on a background with the Yxy color 48.5589, 0.2314, 0.2485.



This preview shows how white text looks on a background with the Yxy color 48.5589, 0.2314, 0.2485.

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

48.5589, 0.2314, 0.2485

Protanopia

48.2948, 0.2544, 0.2490

Deuteranopia

48.2530, 0.2486, 0.2424



Tritanopia

48.7539, 0.2464, 0.3069

Trichromacy



Original Color

48.5589, 0.2314, 0.2485

Protanomaly

48.2423, 0.2452, 0.2489

Deuteranomaly

48.3075, 0.2420, 0.2446

Tritanomaly

48.5389, 0.2405, 0.2839

Monochromacy



Original Color

48.5589, 0.2314, 0.2485

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

45.8455, 0.2769, 0.2974

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.5589, 0.2314, 0.2485 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(127, 190, 255)` looks like.

```
.text, #text, p{  
    color:rgb(127, 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(127, 190, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 190, 255) }
```

Border

The CSS property to change the border of an element to Yxy 48.5589, 0.2314, 0.2485 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(127, 190, 255) }
```

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

```
.border{ border-color:rgb(127, 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(127, 190, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 190, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 190, 255);  
box-shadow:4px 4px 4px 4px rgb(127, 190,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 48.5589, 0.2314, 0.2485 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 190, 255) }
```

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

```
.background{ background-color: rgb(127,  
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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