

Converting Colors

$Yxy(52.2001, 0.2337, 0.2591)$

Have a look what the booklet for
Yxy(52.2001, 0.2337, 0.2591)
contains.

Yxy(52.1202, 0.2335, 0.2589)	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(52.1202, 0.2335, 0.2589)

Conversions

Conversions Part 1

Format	Color
Hex	7FC6FF
RGB	127, 198, 255
RGB Percent	50%, 78%, 100%
CMY	0.5016, 0.2236, 0.0000
CMYK	0.50, 0.22, 0.00, 0.00
HSL	207°, 100%, 75%
HSV	207°, 50%, 100%
XYZ	47.0068, 52.1202, 102.1870
YIQ	183.2690, -60.6130, 2.6750

Conversions

Conversions Part 2

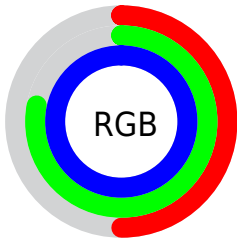
Format	Color
RYB	127, 173, 255
Decimal	8374015
CIELab	77.35, -6.98, -34.86
CIElCh	77, 35.551, 258.685
Yxy	52.1202, 0.2335, 0.2589
Android (android.graphics.Color)	4286564095 (0xFF7FC6FF)
YUV	183.2690, 35.3634, -49.3479
Hunter-Lab	72.1943, -10.1160, -33.3856

Details

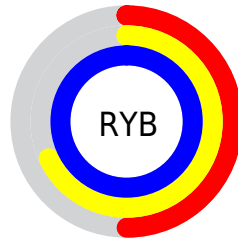
The Yxy color **52.1202, 0.2335, 0.2589** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **57.1229, 0.4228, 0.3880**, and the grayscale version is **47.3493, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.1791, 0.2731, 0.3289**, and **25.1820, 0.2141, 0.2405** is the 20% darker color. If you saturate the color by 10%, you get **45.4013, 0.2193, 0.2418**, and if you desaturate by 10%, it is **59.7284, 0.2488, 0.2752**.

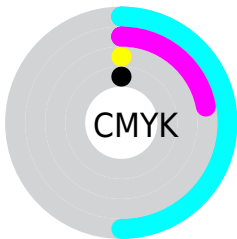
Distribution



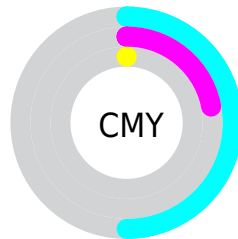
- Red (50%)
- Green (78%)
- Blue (100%)



- Red (50%)
- Yellow (68%)
- Blue (100%)



- Cyan (50%)
- Magenta (22%)
- Yellow (0%)
- Black (0%)





- Cyan (50%)
- Magenta (22%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 52.1202, 0.2335, 0.2589 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 52.1202, 0.2335, 0.2589 by changing the saturation by 10% instead.


 52.1202, 0.2335,
0.2589


 52.1202, 0.2335,
0.2589


394.9005, 0.2710,
0.2928


 37.1009, 0.2249,
0.2509


 93.3085, 0.2466,
0.2709

 25.2856, 0.2142,
0.2410


 120.2463, 0.2516,
0.2755

 16.2900, 0.2008,
0.2284


 151.9256, 0.2560,
0.2794

 9.7296, 0.1835,
0.2118

188.7310, 0.2598,
0.2828

 5.2200, 0.1606,
0.1894

231.0468, 0.2631,
0.2858

 2.3769, 0.1293,
0.1580

279.2574, 0.2660,

 0.8140, 0.0839,

0.2884

0.1132

333.7471, 0.2686,
0.2907

0.0000, 0.0000,
0.0000

52.1202, 0.2335,
0.2589

52.1202, 0.2335,
0.2589

45.4013, 0.2193,
0.2418

59.7284, 0.2488,
0.2752

39.5193, 0.2066,
0.2242

68.2626, 0.2648,
0.2905

34.4238, 0.1960,
0.2066

77.7638, 0.2809,
0.3046

30.0534, 0.1876,
0.1894

88.2683, 0.2969,
0.3174

26.3667, 0.1815,
0.1732

99.8106, 0.3125,
0.3288

99.9998, 0.3127,
0.3290

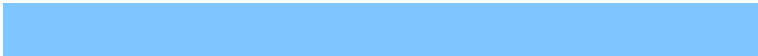
Harmonies

Analogous

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



52.1202, 0.2255, 0.2841



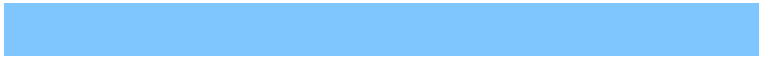
52.1202, 0.2335, 0.2589



52.1202, 0.2611, 0.2526

Triad

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



52.1202, 0.2335, 0.2589



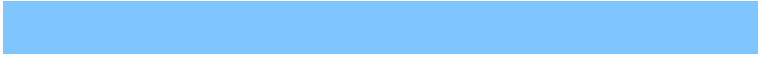
52.1202, 0.3923, 0.3243



52.1202, 0.3155, 0.4078

Complementary

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



52.1202, 0.2335, 0.2589



57.1229, 0.4228, 0.3880

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.



52.1202, 0.3618, 0.4149



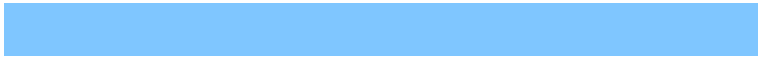
52.1202, 0.2335, 0.2589



52.1202, 0.4084, 0.3625

Square

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



52.1202, 0.2335, 0.2589



52.1202, 0.3529, 0.2893



52.1202, 0.3965, 0.3962



52.1202, 0.2705, 0.3735

Rectangle

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



52.1202, 0.2335, 0.2589



52.1202, 0.2885, 0.2583



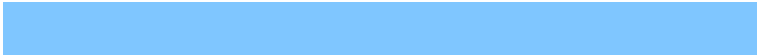
52.1202, 0.3965, 0.3962



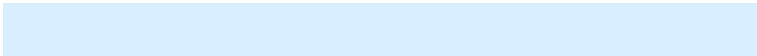
52.1202, 0.3314, 0.4134

Sweetspot

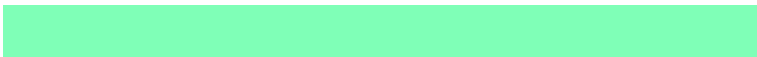
The Sweet Spot groups the original color and five complimentary colors.



52.1221, 0.2335, 0.2589



83.0531, 0.2892, 0.3113



79.4373, 0.2798, 0.4191



17.3070, 0.2858, 0.3086



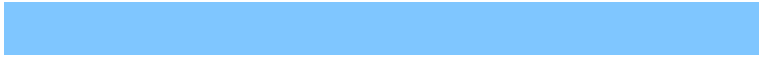
0.0000, 0.0000, 0.0000



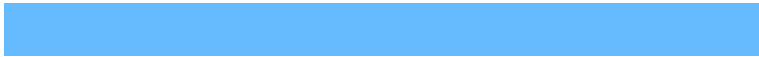
21.4041, 0.3127, 0.3290

Same Dimension

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



52.1221, 0.2335, 0.2589



45.4999, 0.2195, 0.2421



29.2442, 0.2180, 0.1792



19.0473, 0.2979, 0.3181



14.0802, 0.1822, 0.1759



1.5891, 0.1875, 0.1948

Inverse Universe

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



40.5417, 0.3743, 0.2571



34.3420, 0.3927, 0.2454



88.9928, 0.3902, 0.4442



18.1556, 0.3207, 0.3159



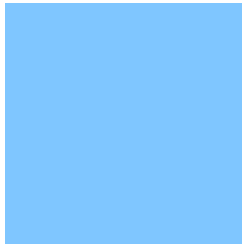
12.1494, 0.4735, 0.2382



1.2050, 0.4512, 0.2259

Previews

White Background



This preview shows how the Yxy color 52.1202, 0.2335, 0.2589 looks on a white background.

Color Contrast Check

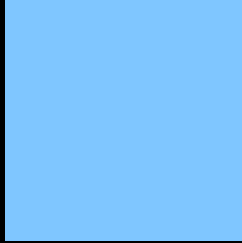
Large Text (above 18pt) WCAG AA × Fail

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 52.1202, 0.2335, 0.2589 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

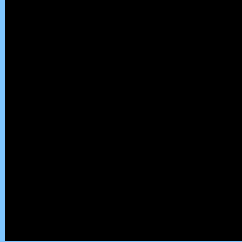
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

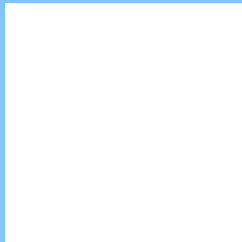
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 52.1202, 0.2335, 0.2589

Background



This preview shows how black text looks on a background with the Yxy color 52.1202, 0.2335, 0.2589.



This preview shows how white text looks on a background with the Yxy color 52.1202, 0.2335, 0.2589.

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

52.1202, 0.2335, 0.2589

Protanopia

51.7424, 0.2617, 0.2585

Deuteranopia

51.9571, 0.2565, 0.2512



Tritanopia

52.1192, 0.2458, 0.3062

Trichromacy



Original Color

52.1202, 0.2335, 0.2589

Protanomaly

51.8324, 0.2501, 0.2584

Deuteranomaly

51.9872, 0.2474, 0.2541

Tritanomaly

52.1173, 0.2413, 0.2887

Monochromacy



Original Color

52.1202, 0.2335, 0.2589

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

48.3564, 0.2783, 0.3017

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.1202, 0.2335, 0.2589 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, 198, 255)` looks like.

```
.text, #text, p{  
    color:rgb(127, 198, 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, 198, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 198, 255) }
```

Border

The CSS property to change the border of an element to Yxy 52.1202, 0.2335, 0.2589 is called "border". The border property can be set on classes, ids or directly on the HTML element.

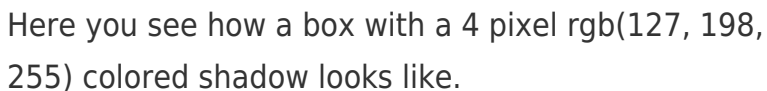
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(127, 198, 255) }
```

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

```
.border{ border-color:rgb(127, 198, 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, 198, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 198, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 198, 255);  
box-shadow:4px 4px 4px 4px rgb(127, 198,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 52.1202, 0.2335, 0.2589 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 198, 255) }
```

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

```
.background{ background-color: rgb(127,  
198, 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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