

Converting Colors

$Y_{xy}(53.0006, 0.2308, 0.2497)$

Have a look what the booklet for
Yxy(53.0006, 0.2308, 0.2497)
contains.

Yxy(52.3540, 0.2349, 0.2592)	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(52.3540, 0.2349, 0.2592)

Conversions

Conversions Part 1

Format	Color
Hex	82C6FF
RGB	130, 198, 255
RGB Percent	51%, 78%, 100%
CMY	0.4902, 0.2235, 0.0001
CMYK	0.49, 0.22, 0.00, 0.00
HSL	207°, 100%, 75%
HSV	207°, 49%, 100%
XYZ	47.4458, 52.3540, 102.1832
YIQ	184.1660, -58.8250, 3.3110

Conversions

Conversions Part 2

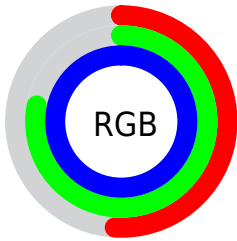
Format	Color
RYB	130, 174, 255
Decimal	8570623
CIELab	77.49, -6.35, -34.62
CIElCh	77, 35.195, 259.607
Yxy	52.3540, 0.2349, 0.2592
Android (android.graphics.Color)	4286760703 (0xFF82C6FF)
YUV	184.1660, 34.9212, -47.5036
Hunter-Lab	72.3561, -9.5759, -33.0817

Details

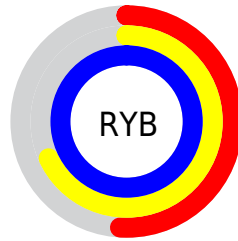
The Yxy color **52.3540, 0.2349, 0.2592** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **58.3922, 0.4188, 0.3880**, and the grayscale version is **47.8584, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.4314, 0.2742, 0.3289**, and **25.3258, 0.2158, 0.2409** is the 20% darker color. If you saturate the color by 10%, you get **45.4721, 0.2204, 0.2417**, and if you desaturate by 10%, it is **60.1469, 0.2504, 0.2758**.

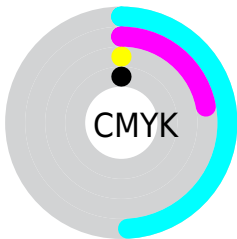
Distribution



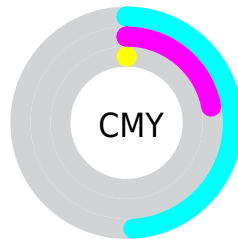
- Red (51%)
- Green (78%)
- Blue (100%)



- Red (51%)
- Yellow (68%)
- Blue (100%)



- Cyan (49%)
- Magenta (22%)
- Yellow (0%)
- Black (0%)



- Cyan (49%)
- Magenta (22%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 52.3540, 0.2349, 0.2592 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 52.3540, 0.2349, 0.2592 by changing the saturation by 10% instead.

■ 52.3540, 0.2349,
0.2592

■ 52.3540, 0.2349,
0.2592

■ 395.8017, 0.2717,
0.2929

■ 37.2873, 0.2264,
0.2513

■ 93.6531, 0.2478,
0.2711

■ 25.4300, 0.2160,
0.2414

■ 120.6543, 0.2527,
0.2756

■ 16.3977, 0.2028,
0.2289

■ 152.4025, 0.2570,
0.2796

■ 9.8060, 0.1857,
0.2125

■ 189.2820, 0.2607,
0.2829

■ 5.2705, 0.1630,
0.1902

■ 231.6773, 0.2640,
0.2859

■ 2.4069, 0.1321,
0.1591

■ 279.9728, 0.2669,

■ 0.8294, 0.0876,

0.2885

0.1147

334.5528, 0.2694,
0.2908

0.0000, 0.0000,
0.0000

52.3540, 0.2349,
0.2592

52.3540, 0.2349,
0.2592

45.4721, 0.2204,
0.2417

60.1469, 0.2504,
0.2758

39.4488, 0.2074,
0.2238

68.8876, 0.2665,
0.2913

34.2336, 0.1963,
0.2058

78.6173, 0.2827,
0.3056

29.7659, 0.1876,
0.1882

89.3727, 0.2987,
0.3185

25.9604, 0.1811,
0.1713

99.9978, 0.3127,
0.3290

■ 25.6099, 0.1805,
0.1697

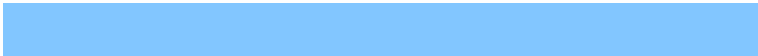
Harmonies

Analogous

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



52.3540, 0.2264, 0.2837



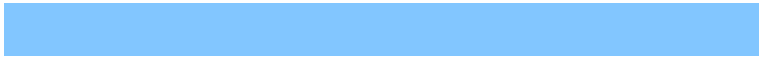
52.3540, 0.2349, 0.2592



52.3540, 0.2628, 0.2535

Triad

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



52.3540, 0.2349, 0.2592



52.3540, 0.3923, 0.3256



52.3540, 0.3140, 0.4062

Complementary

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



52.3540, 0.2349, 0.2592



58.3922, 0.4188, 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.



52.3540, 0.3600, 0.4141



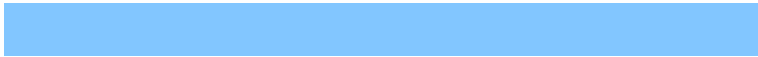
52.3540, 0.2349, 0.2592



52.3540, 0.4074, 0.3634

Square

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



52.3540, 0.2349, 0.2592



52.3540, 0.3538, 0.2907



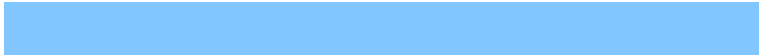
52.3540, 0.3948, 0.3963



52.3540, 0.2698, 0.3716

Rectangle

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



52.3540, 0.2349, 0.2592



52.3540, 0.2901, 0.2595



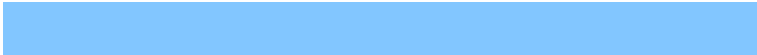
52.3540, 0.3948, 0.3963



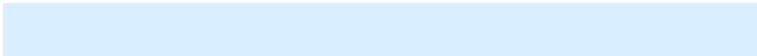
52.3540, 0.3298, 0.4120

Sweetspot

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



52.3559, 0.2349, 0.2592



82.8294, 0.2892, 0.3109



79.8005, 0.2793, 0.4139



17.2531, 0.2858, 0.3081



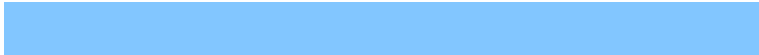
0.0000, 0.0000, 0.0000



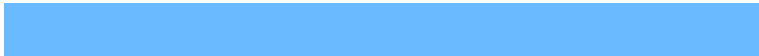
21.4041, 0.3127, 0.3290

Same Dimension

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



52.3559, 0.2349, 0.2592



45.4917, 0.2204, 0.2418



29.6448, 0.2199, 0.1806



19.0159, 0.2979, 0.3179



13.6881, 0.1812, 0.1724



1.5513, 0.1866, 0.1916

Inverse Universe

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



41.2986, 0.3737, 0.2598



34.8348, 0.3926, 0.2479



90.4431, 0.3877, 0.4436



18.1525, 0.3208, 0.3161



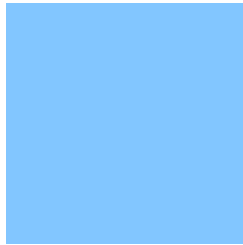
12.1098, 0.4777, 0.2405



1.2011, 0.4548, 0.2279

Previews

White Background



This preview shows how the Yxy color 52.3540, 0.2349, 0.2592 looks on a white background.

Color Contrast Check

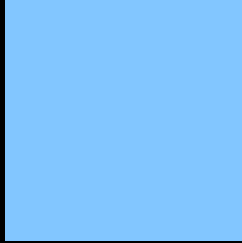
Large Text (above 18pt) WCAG AA × Fail

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 52.3540, 0.2349, 0.2592 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

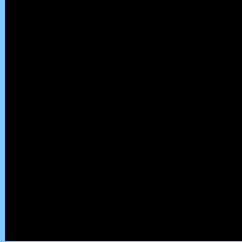
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

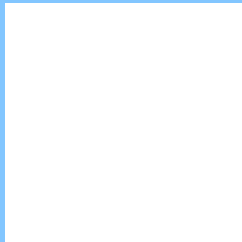
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 52.3540, 0.2349, 0.2592

Background



This preview shows how black text looks on a background with the Yxy color 52.3540, 0.2349, 0.2592.



This preview shows how white text looks on a background with the Yxy color 52.3540, 0.2349, 0.2592.

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

52.3540, 0.2349, 0.2592

Protanopia

51.8577, 0.2624, 0.2586

Deuteranopia

52.0707, 0.2571, 0.2513



Tritanopia

52.3281, 0.2473, 0.3063

Trichromacy



Original Color

52.3540, 0.2349, 0.2592

Protanomaly

52.0352, 0.2512, 0.2586

Deuteranomaly

52.0874, 0.2480, 0.2542

Tritanomaly

52.3352, 0.2428, 0.2888

Monochromacy



Original Color

52.3540, 0.2349, 0.2592

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

48.9408, 0.2784, 0.3019

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.3540, 0.2349, 0.2592 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(130, 198, 255)` looks like.

```
.text, #text, p{  
    color:rgb(130, 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(130, 198, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 198, 255) }
```

Border

The CSS property to change the border of an element to Yxy 52.3540, 0.2349, 0.2592 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(130, 198, 255) }
```

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

```
.border{ border-color:rgb(130, 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(130, 198, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 198, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 198, 255);  
box-shadow:4px 4px 4px 4px rgb(130, 198,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 52.3540, 0.2349, 0.2592 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 198, 255) }
```

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

```
.background{ background-color: rgb(130,  
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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