

Converting Colors

$Yxy(55.2932, 0.2390, 0.2857)$

Have a look what the booklet for
Yxy(55.2932, 0.2390, 0.2857)
contains.

Yxy(55.1014, 0.2389, 0.2847)	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(55.1014, 0.2389, 0.2847)

Conversions

Conversions Part 1

Format	Color
Hex	79CFF2
RGB	121, 207, 242
RGB Percent	47%, 81%, 95%
CMY	0.5250, 0.1883, 0.0510
CMYK	0.50, 0.14, 0.00, 0.05
HSL	197°, 82%, 71%
HSV	197°, 50%, 95%
XYZ	46.2372, 55.1014, 92.2034
YIQ	185.2760, -62.4910, -7.3470

Conversions

Conversions Part 2

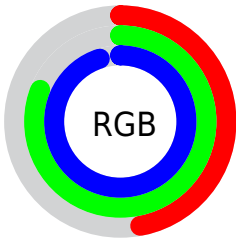
Format	Color
RYB	121, 171, 242
Decimal	7983090
CIELab	79.10, -16.68, -25.25
CIELCh	79, 30.261, 236.561
Yxy	55.1014, 0.2389, 0.2847
Android (android.graphics.Color)	4286173170 (0xFF79CFF2)
YUV	185.2760, 27.9649, -56.3701
Hunter-Lab	74.2303, -18.7175, -21.6844

Details

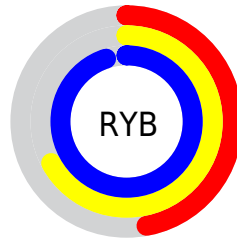
The Yxy color **55.1014, 0.2389, 0.2847** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **44.0843, 0.4333, 0.3675**, and the grayscale version is **48.5609, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.4433, 0.2701, 0.3289**, and **27.2574, 0.2209, 0.2729** is the 20% darker color. If you saturate the color by 10%, you get **50.2453, 0.2269, 0.2740**, and if you desaturate by 10%, it is **60.5511, 0.2523, 0.2949**.

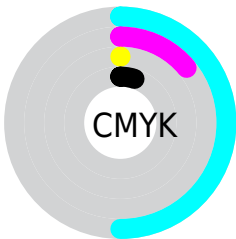
Distribution



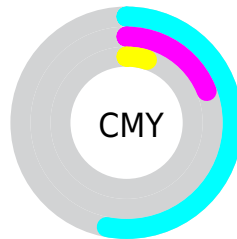
- Red (47%)
- Green (81%)
- Blue (95%)



- Red (47%)
- Yellow (67%)
- Blue (95%)



- Cyan (50%)
- Magenta (14%)
- Yellow (0%)
- Black (5%)



- Cyan (53%)
- Magenta (19%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 55.1014, 0.2389, 0.2847 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 55.1014, 0.2389, 0.2847 by changing the saturation by 10% instead.

■ 55.1014, 0.2389,
0.2847

■ 55.1014, 0.2389,
0.2847

■ 406.2962, 0.2736,
0.3067

■ 39.4829, 0.2309,
0.2793

■ 97.6895, 0.2510,
0.2926

■ 27.1356, 0.2210,
0.2725

■ 125.4279, 0.2557,
0.2956

■ 17.6751, 0.2085,
0.2637

■ 157.9751, 0.2597,
0.2982

■ 10.7170, 0.1923,
0.2517

■ 195.7154, 0.2632,
0.3004

■ 5.8769, 0.1706,
0.2349

■ 239.0333, 0.2663,
0.3023

■ 2.7703, 0.1404,
0.2097

■ 288.3131, 0.2690,

■ 1.0130, 0.0926,

0.3039

0.1705

343.9393, 0.2715,
0.3054

0.0000, 0.0000,
0.0000

55.1014, 0.2389,
0.2847

55.1014, 0.2389,
0.2847

50.2453, 0.2269,
0.2740

60.5511, 0.2523,
0.2949

45.9412, 0.2165,
0.2631

66.6200, 0.2668,
0.3045

42.1510, 0.2082,
0.2520

73.3394, 0.2819,
0.3134

38.8272, 0.2018,
0.2410

80.7364, 0.2973,
0.3216

35.8919, 0.1973,
0.2301

88.8361, 0.3128,
0.3290

■ 35.8778, 0.1972,
0.2301

■ 95.4513, 0.3207,
0.3358

■ 99.1909, 0.3203,
0.3415

Harmonies

Analogous

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



55.1014, 0.2454, 0.3169



55.1014, 0.2389, 0.2847



55.1014, 0.2504, 0.2669

Triad

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



55.1014, 0.2389, 0.2847



55.1014, 0.3563, 0.3029



55.1014, 0.3447, 0.4011

Complementary

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



55.1014, 0.2389, 0.2847



44.0843, 0.4333, 0.3675

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.



55.1014, 0.3771, 0.3915



55.1014, 0.2389, 0.2847



55.1014, 0.3848, 0.3342

Square

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



55.1014, 0.2389, 0.2847



55.1014, 0.3165, 0.2783



55.1014, 0.3923, 0.3662



55.1014, 0.3051, 0.3884

Rectangle

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



55.1014, 0.2389, 0.2847



55.1014, 0.2672, 0.2641



55.1014, 0.3923, 0.3662



55.1014, 0.3568, 0.4002

Sweetspot

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



55.1035, 0.2389, 0.2847



86.5866, 0.2894, 0.3176



69.9581, 0.2889, 0.4432



18.1602, 0.2862, 0.3158



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.



55.1035, 0.2389, 0.2847



56.4743, 0.2266, 0.2738



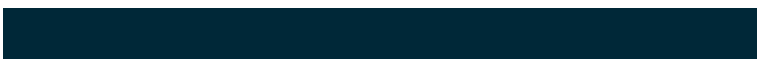
31.4495, 0.2233, 0.2041



17.1103, 0.2981, 0.3220



19.5200, 0.1978, 0.2319



1.7939, 0.2017, 0.2462

Inverse Universe

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



37.0863, 0.3528, 0.2391



35.4498, 0.3644, 0.2238



69.2760, 0.3988, 0.4277



15.9488, 0.3182, 0.3124



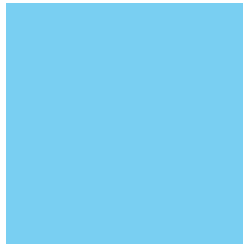
11.7639, 0.4107, 0.2036



0.9958, 0.3960, 0.1955

Previews

White Background



This preview shows how the Yxy color 55.1014, 0.2389, 0.2847 looks on a white background.

Color Contrast Check

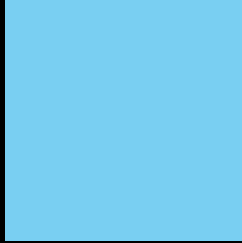
Large Text (above 18pt) WCAG AA × Fail

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 55.1014, 0.2389, 0.2847 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

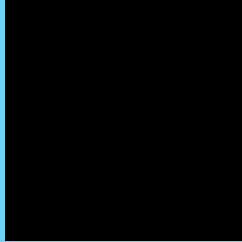
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 55.1014, 0.2389, 0.2847

Background



This preview shows how black text looks on a background with the Yxy color 55.1014, 0.2389, 0.2847.



This preview shows how white text looks on a background with the Yxy color 55.1014, 0.2389, 0.2847.

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

55.1014, 0.2389, 0.2847

Protanopia

54.5309, 0.2809, 0.2830

Deuteranopia

54.5455, 0.2733, 0.2669



Tritanopia

55.3522, 0.2444, 0.3067

Trichromacy



Original Color

55.1014, 0.2389, 0.2847

Protanomaly

54.2308, 0.2629, 0.2827

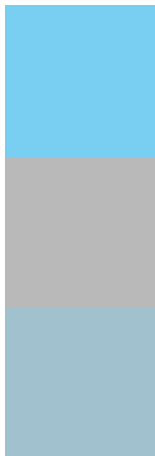
Deuteranomaly

54.3567, 0.2589, 0.2727

Tritanomaly

55.2787, 0.2427, 0.2992

Monochromacy



Original Color

55.1014, 0.2389, 0.2847

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

50.2775, 0.2800, 0.3121

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.1014, 0.2389, 0.2847 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(121, 207, 242)` looks like.

```
.text, #text, p{  
    color:rgb(121, 207, 242)  
}
```

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(121, 207, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 207, 242) }
```

Border

The CSS property to change the border of an element to Yxy 55.1014, 0.2389, 0.2847 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(121, 207, 242) }
```

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

```
.border{ border-color:rgb(121, 207, 242) }
```

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

Here you see how a box with a 4 pixel rgb(121, 207, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 207, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 207, 242);  
box-shadow:4px 4px 4px 4px rgb(121, 207,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 55.1014, 0.2389, 0.2847 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 207, 242) }
```

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

```
.background{ background-color: rgb(121,  
207, 242) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor