

Converting Colors

$Y_{xy}(54.1301, 0.2332, 0.2774)$

Have a look what the booklet for
Yxy(54.1301, 0.2332, 0.2774)
contains.

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Color

Yxy(54.3071, 0.2333, 0.2784)

Conversions

Conversions Part 1

Format	Color
Hex	71CEF6
RGB	113, 206, 246
RGB Percent	44%, 81%, 96%
CMY	0.5570, 0.1921, 0.0354
CMYK	0.54, 0.16, 0.00, 0.04
HSL	198°, 88%, 70%
HSV	198°, 54%, 96%
XYZ	45.5095, 54.3071, 95.2520
YIQ	182.7530, -68.2680, -7.2760

Conversions

Conversions Part 2

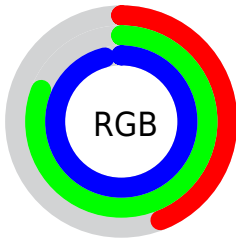
Format	Color
R _Y B	113, 168, 246
Decimal	7458550
CIE Lab	78.64, -16.77, -28.11
CIE LCh	79, 32.729, 239.177
Yxy	54.3071, 0.2333, 0.2784
Android (android.graphics.Color)	4285648630 (0xFF71CEF6)
YUV	182.7530, 31.1808, -61.1734
Hunter-Lab	73.6934, -18.7303, -25.0497

Details

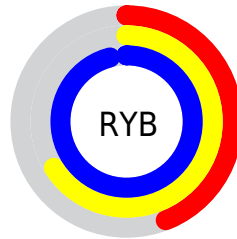
The Yxy color **54.3071, 0.2333, 0.2784** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **43.5420, 0.4469, 0.3716**, and the grayscale version is **47.0627, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.6242, 0.2666, 0.3289**, and **26.7550, 0.2140, 0.2645** is the 20% darker color. If you saturate the color by 10%, you get **49.4175, 0.2218, 0.2671**, and if you desaturate by 10%, it is **59.8100, 0.2463, 0.2893**.

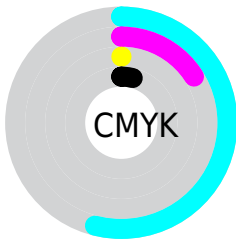
Distribution



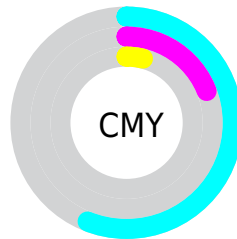
- Red (44%)
- Green (81%)
- Blue (96%)



- Red (44%)
- Yellow (66%)
- Blue (96%)



- Cyan (54%)
- Magenta (16%)
- Yellow (0%)
- Black (4%)





- Cyan (56%)
- Magenta (19%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 54.3071, 0.2333, 0.2784 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 54.3071, 0.2333, 0.2784 by changing the saturation by 10% instead.


 54.3071, 0.2333,
0.2784


 54.3071, 0.2333,
0.2784


403.2800, 0.2706,
0.3035


 38.8472, 0.2248,
0.2723


 96.5250, 0.2463,
0.2874

 26.6409, 0.2142,
0.2646


 124.0518, 0.2513,
0.2908

 17.3037, 0.2009,
0.2547


 156.3698, 0.2557,
0.2937

 10.4513, 0.1837,
0.2413

193.8632, 0.2594,
0.2962

 5.6992, 0.1609,
0.2226

236.9166, 0.2627,
0.2984

 2.6630, 0.1297,
0.1950

285.9142, 0.2657,

 0.9585, 0.0800,

0.3003

0.1535

341.2406, 0.2683,
0.3020

0.0000, 0.0000,
0.0000

54.3071, 0.2333,
0.2784

54.3071, 0.2333,
0.2784

49.4175, 0.2218,
0.2671

59.8100, 0.2463,
0.2893

45.0964, 0.2121,
0.2556

65.9550, 0.2605,
0.2995

41.3008, 0.2044,
0.2441


72.7757, 0.2755,
0.3091

37.9766, 0.1987,
0.2327

80.3014, 0.2909,
0.3179

36.1822, 0.1961,
0.2260

88.5594, 0.3064,
0.3260

 96.5059, 0.3182,
0.3332

 99.4323, 0.3179,
0.3376

Harmonies

Analogous

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



54.3071, 0.2385, 0.3120



54.3071, 0.2333, 0.2784



54.3071, 0.2472, 0.2610

Triad

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



54.3071, 0.2333, 0.2784



54.3071, 0.3635, 0.3034



54.3071, 0.3436, 0.4074

Complementary

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



54.3071, 0.2333, 0.2784



43.5420, 0.4469, 0.3716

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.



54.3071, 0.3800, 0.3984



54.3071, 0.2333, 0.2784



54.3071, 0.3929, 0.3374

Square

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



54.3071, 0.2333, 0.2784



54.3071, 0.3206, 0.2762



54.3071, 0.3987, 0.3717



54.3071, 0.3004, 0.3916

Rectangle

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



54.3071, 0.2333, 0.2784



54.3071, 0.2662, 0.2591



54.3071, 0.3987, 0.3717



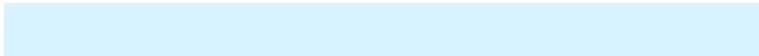
54.3071, 0.3570, 0.4070

Sweetspot

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



54.3091, 0.2333, 0.2784



85.4922, 0.2879, 0.3163



71.7014, 0.2866, 0.4517



17.9314, 0.2847, 0.3145



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.



54.3091, 0.2333, 0.2784



53.1125, 0.2207, 0.2659



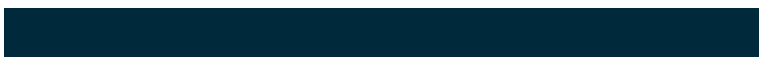
28.7928, 0.2147, 0.1887



17.8680, 0.2980, 0.3217



19.5743, 0.1966, 0.2279



1.8999, 0.2006, 0.2421

Inverse Universe

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



35.8493, 0.3590, 0.2338



32.8637, 0.3725, 0.2191



71.6391, 0.4049, 0.4369



16.6785, 0.3184, 0.3126



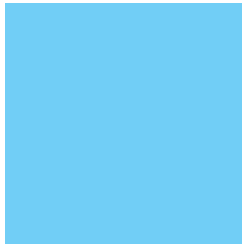
12.0754, 0.4148, 0.2059



1.0794, 0.4002, 0.1978

Previews

White Background



This preview shows how the Yxy color 54.3071, 0.2333, 0.2784 looks on a white background.

Color Contrast Check

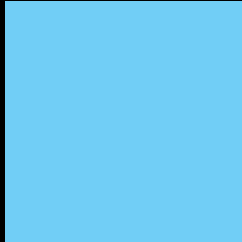
Large Text (above 18pt) WCAG AA × Fail

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 54.3071, 0.2333, 0.2784 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

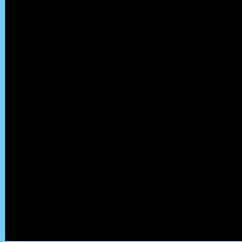
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

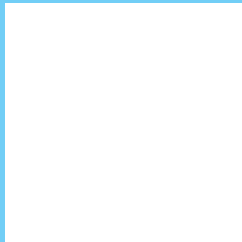
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 54.3071, 0.2333, 0.2784

Background



This preview shows how black text looks on a background with the Yxy color 54.3071, 0.2333, 0.2784.



This preview shows how white text looks on a background with the Yxy color 54.3071, 0.2333, 0.2784.

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

54.3071, 0.2333, 0.2784

Protanopia

53.9457, 0.2762, 0.2772

Deuteranopia

53.7337, 0.2674, 0.2610



Tritanopia

54.1561, 0.2402, 0.3063

Trichromacy



Original Color

54.3071, 0.2333, 0.2784

Protanomaly

53.4929, 0.2574, 0.2766

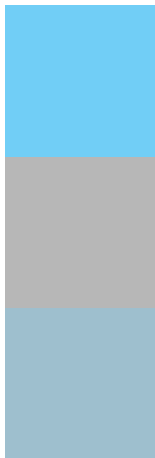
Deuteranomaly

53.5263, 0.2529, 0.2666

Tritanomaly

54.2462, 0.2380, 0.2963

Monochromacy



Original Color

54.3071, 0.2333, 0.2784

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

48.9869, 0.2770, 0.3093

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.3071, 0.2333, 0.2784 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(113, 206, 246)` looks like.

```
.text, #text, p{  
    color:rgb(113, 206, 246)  
}
```

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(113, 206, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 206, 246) }
```

Border

The CSS property to change the border of an element to Yxy 54.3071, 0.2333, 0.2784 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(113, 206, 246) }
```

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

```
.border{ border-color:rgb(113, 206, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 206, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 206, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 206, 246);  
box-shadow:4px 4px 4px 4px rgb(113, 206,  
246) }
```


Background

The CSS property to change the background color of an element to Yxy 54.3071, 0.2333, 0.2784 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 206, 246) }
```

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

```
.background{ background-color: rgb(113,  
206, 246) }
```

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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