

Converting Colors

$Y_{xy}(52.7297, 0.2291, 0.2781)$

Have a look what the booklet for
Yxy(52.7297, 0.2291, 0.2781)
contains.

Yxy(52.4841, 0.2288, 0.2774)	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(52.4841, 0.2288, 0.2774)

Conversions

Conversions Part 1

Format	Color
Hex	65CCF4
RGB	101, 204, 244
RGB Percent	40%, 80%, 96%
CMY	0.6038, 0.2000, 0.0432
CMYK	0.59, 0.16, 0.00, 0.04
HSL	197°, 87%, 68%
HSV	197°, 59%, 96%
XYZ	43.2890, 52.4841, 93.4270
YIQ	177.7630, -74.2280, -9.3960

Conversions

Conversions Part 2

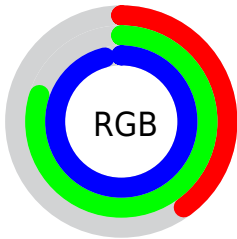
Format	Color
RYB	101, 161, 244
Decimal	6671604
CIELab	77.57, -18.62, -28.72
CIELCh	78, 34.231, 237.044
Yxy	52.4841, 0.2288, 0.2774
Android (android.graphics.Color)	4284861684 (0xFF65CCF4)
YUV	177.7630, 32.6548, -67.3212
Hunter-Lab	72.4459, -20.1203, -25.7489

Details

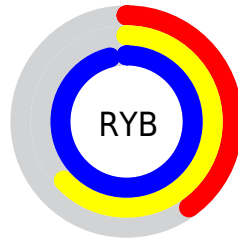
The Yxy color **52.4841, 0.2288, 0.2774** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **39.2250, 0.4653, 0.3711**, and the grayscale version is **44.2470, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.4214, 0.2615, 0.3288**, and **25.6030, 0.2085, 0.2630** is the 20% darker color. If you saturate the color by 10%, you get **48.1066, 0.2184, 0.2669**, and if you desaturate by 10%, it is **57.4255, 0.2409, 0.2876**.

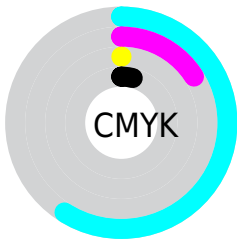
Distribution



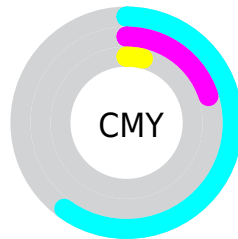
- Red (40%)
- Green (80%)
- Blue (96%)



- Red (40%)
- Yellow (63%)
- Blue (96%)



- Cyan (59%)
- Magenta (16%)
- Yellow (0%)
- Black (4%)



- Cyan (60%)
- Magenta (20%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 52.4841, 0.2288, 0.2774 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 52.4841, 0.2288, 0.2774 by changing the saturation by 10% instead.

■ 52.4841, 0.2288,
0.2774

■ 52.4841, 0.2288,
0.2774

■ 396.3027, 0.2683,
0.3032

■ 37.3911, 0.2197,
0.2711

■ 93.8448, 0.2426,
0.2867

■ 25.5104, 0.2085,
0.2631

■ 120.8813, 0.2479,
0.2902

■ 16.4578, 0.1944,
0.2526

■ 152.6677, 0.2525,
0.2932

■ 9.8487, 0.1762,
0.2386

■ 189.5884, 0.2565,
0.2958

■ 5.2987, 0.1520,
0.2188

■ 232.0279, 0.2600,
0.2980

■ 2.4236, 0.1192,
0.1895

■ 280.3705, 0.2631,

■ 0.8380, 0.0598,

0.3000

0.1465

335.0006, 0.2659,
0.3017

0.0000, 0.0000,
0.0000

52.4841, 0.2288,
0.2774

52.4841, 0.2288,
0.2774

48.1066, 0.2184,
0.2669

57.4255, 0.2409,
0.2876

44.2473, 0.2099,
0.2562

62.9604, 0.2544,
0.2974

40.8611, 0.2034,
0.2456

69.1226, 0.2689,
0.3066

37.8808, 0.1988,
0.2351

75.9414, 0.2840,
0.3151

37.4816, 0.1982,
0.2336

83.4438, 0.2994,
0.3229

91.6554, 0.3149,
0.3299

97.2694, 0.3193,
0.3365

99.3110, 0.3191,
0.3396

Harmonies

Analogous

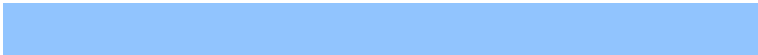
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



52.4841, 0.2356, 0.3139



52.4841, 0.2288, 0.2774



52.4841, 0.2420, 0.2580

Triad

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



52.4841, 0.2288, 0.2774



52.4841, 0.3634, 0.2996



52.4841, 0.3482, 0.4123

Complementary

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



52.4841, 0.2288, 0.2774



39.2250, 0.4653, 0.3711

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.



52.4841, 0.3858, 0.4006



52.4841, 0.2288, 0.2774



52.4841, 0.3961, 0.3349

Square

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



52.4841, 0.2288, 0.2774



52.4841, 0.3175, 0.2718



52.4841, 0.4041, 0.3713



52.4841, 0.3028, 0.3976

Rectangle

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



52.4841, 0.2288, 0.2774



52.4841, 0.2611, 0.2552



52.4841, 0.4041, 0.3713



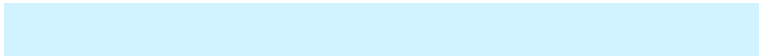
52.4841, 0.3623, 0.4111

Sweetspot

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



52.4860, 0.2288, 0.2774



84.3905, 0.2848, 0.3155



69.3314, 0.2877, 0.4705



17.5734, 0.2804, 0.3131



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.



52.4860, 0.2288, 0.2774



52.4747, 0.2169, 0.2652



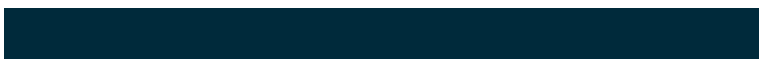
26.4560, 0.2076, 0.1814



17.9284, 0.2980, 0.3222



20.6248, 0.1987, 0.2353



1.9855, 0.2024, 0.2485

Inverse Universe

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



32.9035, 0.3609, 0.2247



30.9094, 0.3742, 0.2107



66.5767, 0.4155, 0.4401



16.6846, 0.3181, 0.3121



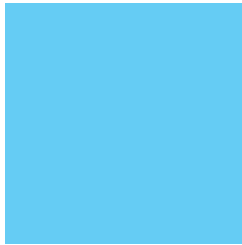
12.1815, 0.4071, 0.2016



1.0881, 0.3937, 0.1943

Previews

White Background



This preview shows how the Yxy color 52.4841, 0.2288, 0.2774 looks on a white background.

Color Contrast Check

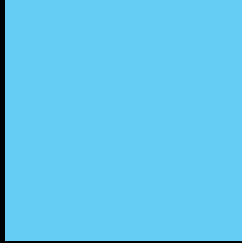
Large Text (above 18pt) WCAG AA × Fail

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 52.4841, 0.2288, 0.2774 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 52.4841, 0.2288, 0.2774

Background



This preview shows how black text looks on a background with the Yxy color 52.4841, 0.2288, 0.2774.



This preview shows how white text looks on a background with the Yxy color 52.4841, 0.2288, 0.2774.

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

52.4841, 0.2288, 0.2774

Protanopia

51.9817, 0.2750, 0.2763

Deuteranopia

51.7829, 0.2642, 0.2578



Tritanopia

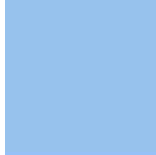
52.3346, 0.2354, 0.3058

Trichromacy



Original Color

52.4841, 0.2288, 0.2774



Protanomaly

51.2773, 0.2543, 0.2755



Deuteranomaly

51.3394, 0.2482, 0.2631



Tritanomaly

52.3989, 0.2331, 0.2956

Monochromacy



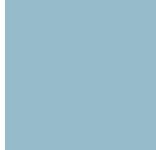
Original Color

52.4841, 0.2288, 0.2774



Achromatopsia

44.5201, 0.3127, 0.3290



Achromatomaly

46.2889, 0.2735, 0.3087

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.4841, 0.2288, 0.2774 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(101, 204, 244)` looks like.

```
.text, #text, p{  
    color:rgb(101, 204, 244)  
}
```

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(101, 204, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 204, 244) }
```

Border

The CSS property to change the border of an element to Yxy 52.4841, 0.2288, 0.2774 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(101, 204, 244) }
```

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

```
.border{ border-color:rgb(101, 204, 244) }
```

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

Here you see how a box with a 4 pixel rgb(101, 204, 244) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 204, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 204, 244);  
box-shadow:4px 4px 4px 4px rgb(101, 204,  
244) }
```


Background

The CSS property to change the background color of an element to Yxy 52.4841, 0.2288, 0.2774 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 204, 244) }
```

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

```
.background{ background-color: rgb(101,  
204, 244) }
```

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