

Converting Colors

$Yxy(53.1593, 0.2288, 0.2834)$

Have a look what the booklet for
Yxy(53.1593, 0.2288, 0.2834)
contains.

Yxy(52.9803, 0.2288, 0.2834)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(52.9803, 0.2288, 0.2834)

Conversions

Conversions Part 1

Format	Color
Hex	60CEF1
RGB	96, 206, 241
RGB Percent	38%, 81%, 95%
CMY	0.6235, 0.1921, 0.0549
CMYK	0.60, 0.15, 0.00, 0.05
HSL	194°, 84%, 66%
HSV	194°, 60%, 95%
XYZ	42.7731, 52.9803, 91.1919
YIQ	177.1000, -76.7950, -12.4350

Conversions

Conversions Part 2

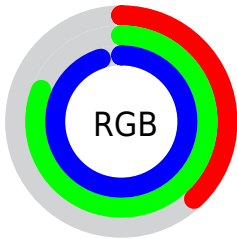
Format	Color
R _Y B	96, 159, 241
Decimal	6344433
CIE Lab	77.86, -21.42, -26.69
CIE LCh	78, 34.223, 231.246
Yxy	52.9803, 0.2288, 0.2834
Android (android.graphics.Color)	4284534513 (0xFF60CEF1)
YUV	177.1000, 31.5027, -71.1247
Hunter-Lab	72.7876, -22.4840, -23.3302

Details

The Yxy color **52.9803, 0.2288, 0.2834** is a light color, and the websafe version is hex **33CCFF**. A complement of this color would be **35.7827, 0.4755, 0.3658**, and the grayscale version is **43.8862, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.0091, 0.2596, 0.3288**, and **25.9657, 0.2087, 0.2710** is the 20% darker color. If you saturate the color by 10%, you get **49.1194, 0.2192, 0.2744**, and if you desaturate by 10%, it is **57.3493, 0.2401, 0.2922**.

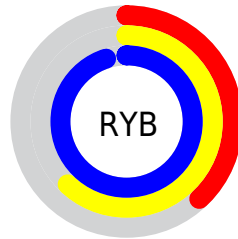
Distribution



Red (38%)

Green (81%)

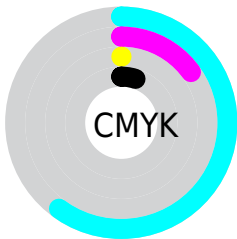
Blue (95%)



Red (38%)

Yellow (62%)

Blue (95%)

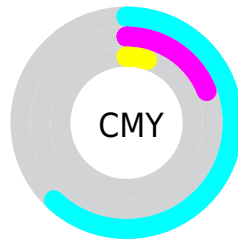


Cyan (60%)

Magenta (15%)

Yellow (0%)

Black (5%)



Cyan (62%)


Magenta (19%)

Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.9803, 0.2288, 0.2834 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 52.9803, 0.2288, 0.2834 by changing the saturation by 10% instead.


 52.9803, 0.2288,
0.2834


 52.9803, 0.2288,
0.2834


398.2095, 0.2683,
0.3065

 37.7870, 0.2197,
0.2777


 94.5754, 0.2426,
0.2918


 25.8174, 0.2085,
0.2704


 121.7460, 0.2479,
0.2949

 16.6871, 0.1944,
0.2609


 153.6778, 0.2525,
0.2976

 10.0117, 0.1762,
0.2479

 190.7553, 0.2565,
0.2999

 5.4067, 0.1520,
0.2294

233.3629, 0.2600,
0.3018

 2.4878, 0.1191,
0.2017

281.8848, 0.2631,

 0.8705, 0.0561,

0.3036

0.1605

336.7056, 0.2658,
0.3051

0.0000, 0.0000,
0.0000

52.9803, 0.2288,
0.2834

52.9803, 0.2288,
0.2834

49.1194, 0.2192,
0.2744

57.3493, 0.2401,
0.2922

45.7218, 0.2116,
0.2653

62.2549, 0.2530,
0.3006

42.7430, 0.2060,
0.2563

67.7297, 0.2669,
0.3085

40.1454, 0.2021,
0.2476


73.8020, 0.2817,
0.3159

80.4977, 0.2970,
0.3227

 87.8413, 0.3125,
0.3289

 93.9658, 0.3215,
0.3346

 97.5747, 0.3210,
0.3401

 99.1310, 0.3209,
0.3425

Harmonies

Analogous

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



52.9803, 0.2395, 0.3224



52.9803, 0.2288, 0.2834



52.9803, 0.2382, 0.2605

Triad

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



52.9803, 0.2288, 0.2834



52.9803, 0.3550, 0.2935



52.9803, 0.3564, 0.4116

Complementary

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



52.9803, 0.2288, 0.2834



35.7827, 0.4755, 0.3658

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.



52.9803, 0.3909, 0.3958



52.9803, 0.2288, 0.2834



52.9803, 0.3912, 0.3278

Square

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



52.9803, 0.2288, 0.2834



52.9803, 0.3085, 0.2679



52.9803, 0.4044, 0.3645



52.9803, 0.3116, 0.4023

Rectangle

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



52.9803, 0.2288, 0.2834



52.9803, 0.2550, 0.2554



52.9803, 0.4044, 0.3645



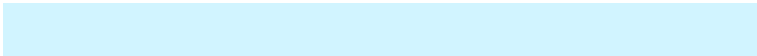
52.9803, 0.3696, 0.4088

Sweetspot

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



52.9823, 0.2288, 0.2834



85.4429, 0.2849, 0.3174



67.0073, 0.2896, 0.4814



17.8323, 0.2805, 0.3153



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.



52.9823, 0.2288, 0.2834



55.0037, 0.2175, 0.2726



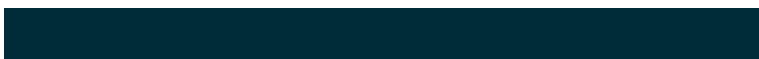
26.0769, 0.2063, 0.1835



17.2446, 0.2981, 0.3232



21.9899, 0.2025, 0.2490



1.9822, 0.2058, 0.2608

Inverse Universe

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



31.5260, 0.3562, 0.2176



30.5046, 0.3679, 0.2032



61.9464, 0.4214, 0.4380



15.9624, 0.3175, 0.3113



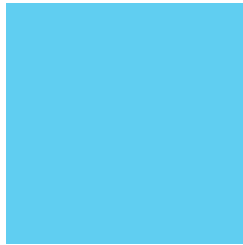
12.0132, 0.3932, 0.1940



1.0148, 0.3816, 0.1876

Previews

White Background



This preview shows how the Yxy color 52.9803, 0.2288, 0.2834 looks on a white background.

Color Contrast Check

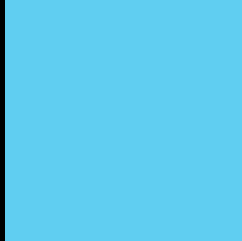
Large Text (above 18pt) WCAG AA × Fail

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 52.9803, 0.2288, 0.2834 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 52.9803, 0.2288, 0.2834

Background



This preview shows how black text looks on a background with the Yxy color 52.9803, 0.2288, 0.2834.



This preview shows how white text looks on a background with the Yxy color 52.9803, 0.2288, 0.2834.

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

52.9803, 0.2288, 0.2834

Protanopia

52.1756, 0.2791, 0.2799

Deuteranopia

52.3828, 0.2682, 0.2625



Tritanopia

53.2158, 0.2337, 0.3059

Trichromacy



Original Color

52.9803, 0.2288, 0.2834

Protanomaly

51.5500, 0.2562, 0.2802

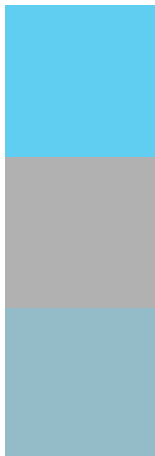
Deuteranomaly

52.0459, 0.2502, 0.2689

Tritanomaly

53.1566, 0.2322, 0.2982

Monochromacy



Original Color

52.9803, 0.2288, 0.2834

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

46.4325, 0.2735, 0.3126

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.9803, 0.2288, 0.2834 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(96, 206, 241)` looks like.

```
.text, #text, p{  
    color:rgb(96, 206, 241)  
}
```

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(96, 206, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 206, 241) }
```

Border

The CSS property to change the border of an element to Yxy 52.9803, 0.2288, 0.2834 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(96, 206, 241) }
```

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

```
.border{ border-color:rgb(96, 206, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 206, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 206, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 206, 241);  
box-shadow:4px 4px 4px 4px rgb(96, 206,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 52.9803, 0.2288, 0.2834 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 206, 241) }
```

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

```
.background{ background-color: rgb(96, 206,  
241) }
```

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