

Converting Colors

$Yxy(51.3845, 0.2267, 0.2891)$

Have a look what the booklet for
Yxy(51.3845, 0.2267, 0.2891)
contains.

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Color

Yxy(51.4998, 0.2265, 0.2888)

Conversions

Conversions Part 1

Format	Color
Hex	53CDEB
RGB	83, 205, 235
RGB Percent	33%, 80%, 92%
CMY	0.6749, 0.1960, 0.0783
CMYK	0.65, 0.13, 0.00, 0.08
HSL	192°, 79%, 62%
HSV	192°, 65%, 92%
XYZ	40.3903, 51.4998, 86.4334
YIQ	171.9420, -82.3420, -16.5340

Conversions

Conversions Part 2

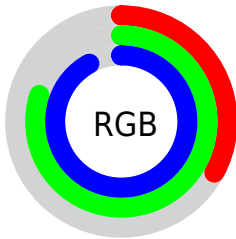
Format	Color
R _Y B	83, 151, 235
Decimal	5492203
CIE Lab	76.98, -24.87, -24.87
CIE LCh	77, 35.173, 225.003
Yxy	51.4998, 0.2265, 0.2888
Android (android.graphics.Color)	4283682283 (0xFF53CDEB)
YUV	171.9420, 31.0876, -78.0021
Hunter-Lab	71.7634, -25.1215, -21.1758

Details

The Yxy color **51.4998, 0.2265, 0.2888** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted cyan. A complement of this color would be **30.0828, 0.4992, 0.3599**, and the grayscale version is **41.0830, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.9430, 0.2549, 0.3288**, and **25.3879, 0.2107, 0.2786** is the 20% darker color. If you saturate the color by 10%, you get **48.4228, 0.2184, 0.2816**, and if you desaturate by 10%, it is **55.0083, 0.2364, 0.2959**.

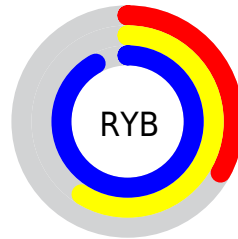
Distribution



Red (33%)

Green (80%)

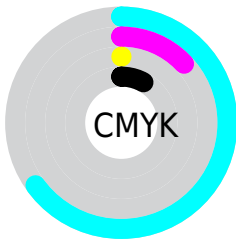
Blue (92%)



Red (33%)

Yellow (59%)

Blue (92%)

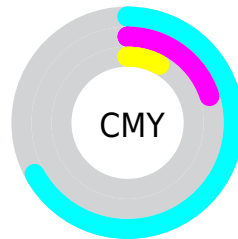


Cyan (65%)

Magenta (13%)

Yellow (0%)

Black (8%)



Cyan (67%)


Magenta (20%)


Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.4998, 0.2265, 0.2888 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 51.4998, 0.2265, 0.2888 by changing the saturation by 10% instead.


 51.4998, 0.2265,
0.2888


 51.4998, 0.2265,
0.2888

392.5025, 0.2672,
0.3095

 36.6065, 0.2171,
0.2835


 92.3931, 0.2407,
0.2964


 24.9030, 0.2055,
0.2768


 119.1620, 0.2463,
0.2993

 16.0048, 0.1908,
0.2678

 150.6581, 0.2510,
0.3017

 9.5275, 0.1718,
0.2554

 187.2660, 0.2551,
0.3037

 5.0868, 0.1465,
0.2375

229.3700, 0.2587,
0.3055

 2.2983, 0.1120,
0.2098

277.3545, 0.2619,

 0.7728, 0.0280,

0.3070

0.1698

331.6038, 0.2647,
0.3083

■ 0.0000, 0.0000,
0.0000

■ 51.4998, 0.2265,
0.2888

■ 51.4998, 0.2265,
0.2888

■ 48.4228, 0.2184,
0.2816

■ 55.0083, 0.2364,
0.2959

■ 45.7329, 0.2124,
0.2743

■ 58.9763, 0.2481,
0.3028

■ 43.3842, 0.2082,
0.2671

■ 63.4355, 0.2611,
0.3094

■ 42.2454, 0.2065,
0.2634

■ 68.4130, 0.2752,
0.3156

■ 73.9337, 0.2901,
0.3214

80.0206, 0.3054,
0.3267

86.6956, 0.3209,
0.3315

90.8333, 0.3256,
0.3360

93.6312, 0.3251,
0.3404

Harmonies

Analogous

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



51.4998, 0.2418, 0.3318



51.4998, 0.2265, 0.2888



51.4998, 0.2319, 0.2614

Triad

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



51.4998, 0.2265, 0.2888



51.4998, 0.3468, 0.2859



51.4998, 0.3666, 0.4132

Complementary

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



51.4998, 0.2265, 0.2888



30.0828, 0.4992, 0.3599

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.



51.4998, 0.3988, 0.3922



51.4998, 0.2265, 0.2888



51.4998, 0.3880, 0.3198

Square

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



51.4998, 0.2265, 0.2888



51.4998, 0.2983, 0.2620



51.4998, 0.4073, 0.3578



51.4998, 0.3213, 0.4097

Rectangle

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



51.4998, 0.2265, 0.2888



51.4998, 0.2467, 0.2536



51.4998, 0.4073, 0.3578



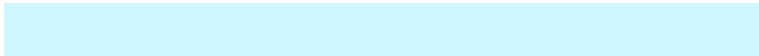
51.4998, 0.3794, 0.4084

Sweetspot

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



51.5017, 0.2265, 0.2888



85.9913, 0.2835, 0.3189



62.4131, 0.2922, 0.5047



18.0005, 0.2793, 0.3173



0.0000, 0.0000, 0.0000



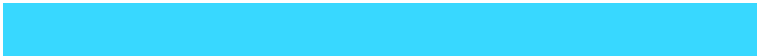
21.4041, 0.3127, 0.3290

Same Dimension

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



51.5017, 0.2265, 0.2888



57.0466, 0.2160, 0.2789



24.0862, 0.2012, 0.1816



16.5874, 0.2981, 0.3242



23.6873, 0.2068, 0.2645



1.9886, 0.2096, 0.2744

Inverse Universe

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



28.2465, 0.3524, 0.2057



29.0429, 0.3630, 0.1916



53.7704, 0.4353, 0.4370



15.2598, 0.3168, 0.3103



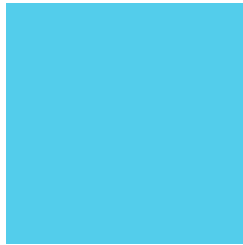
11.8841, 0.3780, 0.1856



0.9462, 0.3686, 0.1804

Previews

White Background



This preview shows how the Yxy color 51.4998, 0.2265, 0.2888 looks on a white background.

Color Contrast Check

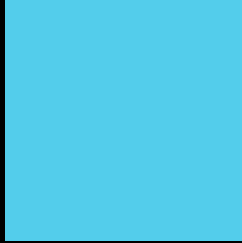
Large Text (above 18pt) WCAG AA × Fail

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 51.4998, 0.2265, 0.2888 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 51.4998, 0.2265, 0.2888

Background



This preview shows how black text looks on a background with the Yxy color 51.4998, 0.2265, 0.2888.

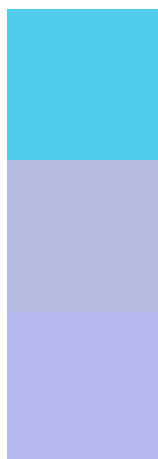


This preview shows how white text looks on a background with the Yxy color 51.4998, 0.2265, 0.2888.

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

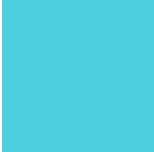
51.4998, 0.2265, 0.2888

Protanopia

50.8134, 0.2828, 0.2852

Deuteranopia

50.7537, 0.2715, 0.2651



Tritanopia

51.5852, 0.2300, 0.3055

Trichromacy



Original Color

51.4998, 0.2265, 0.2888



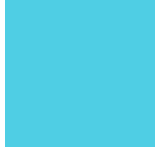
Protanomaly

50.2406, 0.2568, 0.2867



Deuteranomaly

49.8921, 0.2498, 0.2712



Tritanomaly

51.4063, 0.2285, 0.2990

Monochromacy



Original Color

51.4998, 0.2265, 0.2888



Achromatopsia

41.2543, 0.3127, 0.3290



Achromatomaly

43.7966, 0.2706, 0.3135

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.4998, 0.2265, 0.2888 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(83, 205, 235)` looks like.

```
.text, #text, p{  
    color:rgb(83, 205, 235)  
}
```

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(83, 205, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 205, 235) }
```

Border

The CSS property to change the border of an element to Yxy 51.4998, 0.2265, 0.2888 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(83, 205, 235) }
```

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

```
.border{ border-color:rgb(83, 205, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 205, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 205, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 205, 235);  
box-shadow:4px 4px 4px 4px rgb(83, 205,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 51.4998, 0.2265, 0.2888 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 205, 235) }
```

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

```
.background{ background-color: rgb(83, 205,  
235) }
```

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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