

Converting Colors

$Y_{xy}(51.3952, 0.2293, 0.2860)$

Have a look what the booklet for
Yxy(51.3952, 0.2293, 0.2860)
contains.

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Color

Yxy(51.6215, 0.2296, 0.2866)

Conversions

Conversions Part 1

Format	Color
Hex	5ECCEC
RGB	94, 204, 236
RGB Percent	37%, 80%, 93%
CMY	0.6311, 0.2000, 0.0745
CMYK	0.60, 0.14, 0.00, 0.07
HSL	194°, 79%, 65%
HSV	194°, 60%, 93%
XYZ	41.3548, 51.6215, 87.1406
YIQ	174.7580, -75.8320, -13.3680

Conversions

Conversions Part 2

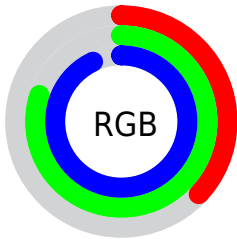
Format	Color
R _Y B	94, 156, 236
Decimal	6212844
CIE Lab	77.05, -22.22, -25.25
CIE LCh	77, 33.632, 228.656
Yxy	51.6215, 0.2296, 0.2866
Android (android.graphics.Color)	4284402924 (0xFF5ECCEC)
YUV	174.7580, 30.1923, -70.8248
Hunter-Lab	71.8481, -22.9919, -21.6159

Details

The Yxy color **51.6215, 0.2296, 0.2866** 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 **33.5867, 0.4769, 0.3633**, and the grayscale version is **42.6199, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.8079, 0.2588, 0.3288**, and **25.1080, 0.2098, 0.2751** is the 20% darker color. If you saturate the color by 10%, you get **48.0725, 0.2203, 0.2783**, and if you desaturate by 10%, it is **55.6422, 0.2407, 0.2947**.

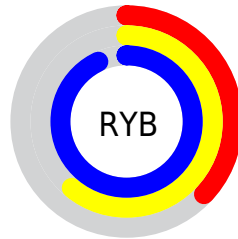
Distribution



Red (37%)

Green (80%)

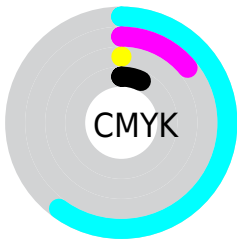
Blue (93%)



Red (37%)

Yellow (61%)

Blue (93%)

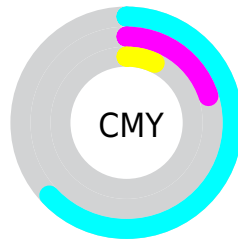


Cyan (60%)

Magenta (14%)

Yellow (0%)

Black (7%)



Cyan (63%)


Magenta (20%)


Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.6215, 0.2296, 0.2866 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 51.6215, 0.2296, 0.2866 by changing the saturation by 10% instead.


 51.6215, 0.2296,
0.2866

 51.6215, 0.2296,
0.2866


392.9736, 0.2689,
0.3083


 36.7035, 0.2205,
0.2812


 92.5728, 0.2434,
0.2945

 24.9780, 0.2093,
0.2742


 119.3748, 0.2487,
0.2975

 16.0607, 0.1950,
0.2650


 150.9070, 0.2532,
0.3000

 9.5671, 0.1766,
0.2524

 187.5537, 0.2572,
0.3021

 5.1129, 0.1519,
0.2342

229.6993, 0.2607,
0.3040

 2.3136, 0.1180,
0.2065

277.7283, 0.2638,

 0.7809, 0.0424,

0.3056

0.1655

332.0249, 0.2665,
0.3070

0.0000, 0.0000,
0.0000

51.6215, 0.2296,
0.2866

51.6215, 0.2296,
0.2866

48.0725, 0.2203,
0.2783

55.6422, 0.2407,
0.2947

44.9526, 0.2128,
0.2699

60.1610, 0.2534,
0.3025

42.2200, 0.2074,
0.2615

65.2091, 0.2672,
0.3099

39.8313, 0.2037,
0.2534

70.8130, 0.2819,
0.3168

76.9971, 0.2971,
0.3232

83.7845, 0.3125,
0.3289

90.3754, 0.3250,
0.3342

93.5770, 0.3246,
0.3393

96.8714, 0.3241,
0.3444

Harmonies

Analogous

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



51.6215, 0.2420, 0.3263



51.6215, 0.2296, 0.2866



51.6215, 0.2372, 0.2623

Triad

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



51.6215, 0.2296, 0.2866



51.6215, 0.3508, 0.2912



51.6215, 0.3596, 0.4104

Complementary

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



51.6215, 0.2296, 0.2866



33.5867, 0.4769, 0.3633

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.



51.6215, 0.3924, 0.3930



51.6215, 0.2296, 0.2866



51.6215, 0.3882, 0.3247

Square

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



51.6215, 0.2296, 0.2866



51.6215, 0.3045, 0.2668



51.6215, 0.4035, 0.3612



51.6215, 0.3156, 0.4035

Rectangle

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



51.6215, 0.2296, 0.2866



51.6215, 0.2529, 0.2562



51.6215, 0.4035, 0.3612



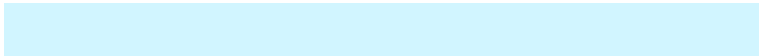
51.6215, 0.3723, 0.4069

Sweetspot

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



51.6234, 0.2296, 0.2866



85.8823, 0.2850, 0.3182



63.8515, 0.2906, 0.4844



17.9405, 0.2806, 0.3162



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.



51.6234, 0.2296, 0.2866



56.4628, 0.2185, 0.2765



25.5713, 0.2072, 0.1871



16.5122, 0.2981, 0.3236



22.1586, 0.2041, 0.2547



1.8809, 0.2073, 0.2662

Inverse Universe

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



30.2123, 0.3534, 0.2157



30.6519, 0.3644, 0.2009



58.0278, 0.4228, 0.4357



15.2523, 0.3172, 0.3109



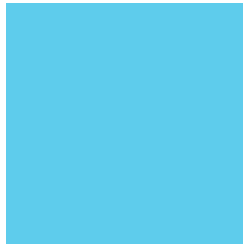
11.7297, 0.3876, 0.1909



0.9353, 0.3765, 0.1847

Previews

White Background



This preview shows how the Yxy color 51.6215, 0.2296, 0.2866 looks on a white background.

Color Contrast Check

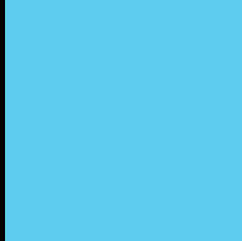
Large Text (above 18pt) WCAG AA × Fail

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 51.6215, 0.2296, 0.2866 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

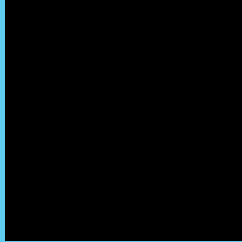
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.6215, 0.2296, 0.2866

Background



This preview shows how black text looks on a background with the Yxy color 51.6215, 0.2296, 0.2866.



This preview shows how white text looks on a background with the Yxy color 51.6215, 0.2296, 0.2866.

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

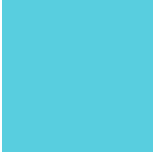
51.6215, 0.2296, 0.2866

Protanopia

50.8006, 0.2807, 0.2829

Deuteranopia

50.8130, 0.2709, 0.2640



Tritanopia

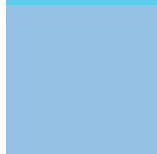
51.5450, 0.2337, 0.3056

Trichromacy



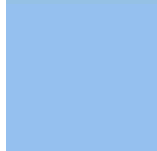
Original Color

51.6215, 0.2296, 0.2866



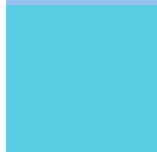
Protanomaly

50.1866, 0.2574, 0.2832



Deuteranomaly

50.3208, 0.2517, 0.2705



Tritanomaly

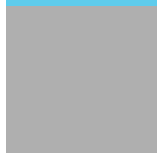
51.4377, 0.2319, 0.2978

Monochromacy



Original Color

51.6215, 0.2296, 0.2866



Achromatopsia

42.8690, 0.3127, 0.3290



Achromatomaly

45.2600, 0.2738, 0.3138

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.6215, 0.2296, 0.2866 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(94, 204, 236)` looks like.

```
.text, #text, p{  
    color:rgb(94, 204, 236)  
}
```

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(94, 204, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 204, 236) }
```

Border

The CSS property to change the border of an element to Yxy 51.6215, 0.2296, 0.2866 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(94, 204, 236) }
```

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

```
.border{ border-color:rgb(94, 204, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 204, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 204, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 204, 236);  
box-shadow:4px 4px 4px 4px rgb(94, 204,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 51.6215, 0.2296, 0.2866 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 204, 236) }
```

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

```
.background{ background-color: rgb(94, 204,  
236) }
```

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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