

Converting Colors

$Y_{xy}(51.0027, 0.2541, 0.3012)$

Have a look what the booklet for
Yxy(51.0027, 0.2541, 0.3012)
contains.

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Color

Yxy(51.0007, 0.2541, 0.3012)

Conversions

Conversions Part 1

Format	Color
Hex	85C7DC
RGB	133, 199, 220
RGB Percent	52%, 78%, 86%
CMY	0.4781, 0.2197, 0.1372
CMYK	0.40, 0.10, 0.00, 0.14
HSL	195°, 55%, 69%
HSV	195°, 40%, 86%
XYZ	43.0255, 51.0007, 75.2988
YIQ	181.6600, -46.0770, -7.4610

Conversions

Conversions Part 2

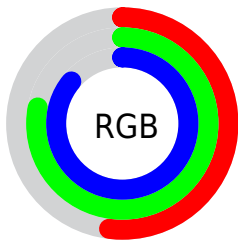
Format	Color
R _{YB}	133, 171, 220
Decimal	8767452
CIE _{Lab}	76.68, -15.57, -17.07
CIE _{LCh}	77, 23.104, 227.639
Yxy	51.0007, 0.2541, 0.3012
Android (android.graphics.Color)	4286957532 (0xFF85C7DC)
YUV	181.6600, 18.9016, -42.6748
Hunter-Lab	71.4148, -17.4344, -12.5243

Details

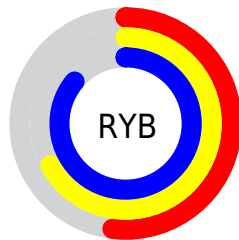
The Yxy color **51.0007, 0.2541, 0.3012** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **40.0626, 0.4013, 0.3547**, and the grayscale version is **46.5092, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.5588, 0.2747, 0.3289**, and **24.5871, 0.2390, 0.2929** is the 20% darker color. If you saturate the color by 10%, you get **46.9877, 0.2412, 0.2929**, and if you desaturate by 10%, it is **55.4785, 0.2681, 0.3091**.

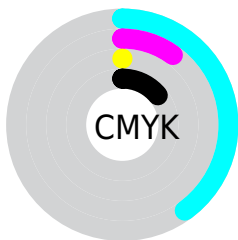
Distribution



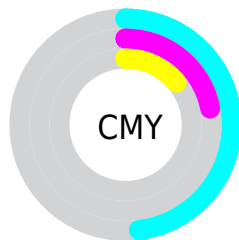
- Red (52%)
- Green (78%)
- Blue (86%)



- Red (52%)
- Yellow (67%)
- Blue (86%)



- Cyan (40%)
- Magenta (10%)
- Yellow (0%)
- Black (14%)



- Cyan (48%)
- Magenta (22%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.0007, 0.2541, 0.3012 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 51.0007, 0.2541, 0.3012 by changing the saturation by 10% instead.

■ 51.0007, 0.2541,
0.3012

■ 51.0007, 0.2541,
0.3012

■ 390.5665, 0.2823,
0.3154

■ 36.2092, 0.2474,
0.2976

■ 91.6558, 0.2641,
0.3064

■ 24.5958, 0.2390,
0.2930

■ 118.2882, 0.2679,
0.3083

■ 15.7762, 0.2282,
0.2869

■ 149.6363, 0.2712,
0.3100

■ 9.3659, 0.2137,
0.2783

■ 186.0845, 0.2740,
0.3114

■ 4.9806, 0.1936,
0.2656

■ 228.0172, 0.2765,
0.3126

■ 2.2359, 0.1640,
0.2452

■ 275.8189, 0.2787,

■ 0.7395, 0.0929,

0.3136

0.2128

329.8738, 0.2806,
0.3145

0.0000, 0.0000,
0.0000

51.0007, 0.2541,
0.3012

51.0007, 0.2541,
0.3012

46.9877, 0.2412,
0.2929

55.4785, 0.2681,
0.3091

43.4091, 0.2298,
0.2842

60.4374, 0.2829,
0.3164

40.2396, 0.2201,
0.2752

65.9004, 0.2981,
0.3232

37.4485, 0.2123,
0.2662

71.8867, 0.3135,
0.3293

34.9994, 0.2065,
0.2572

78.4147, 0.3288,
0.3348

■ 32.8320, 0.2024,
0.2483

■ 83.5369, 0.3366,
0.3399

■ 32.7303, 0.2022,
0.2478

■ 86.5605, 0.3359,
0.3452

■ 89.6755, 0.3351,
0.3503

■ 92.8827, 0.3344,
0.3554

Harmonies

Analogous

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



51.0007, 0.2637, 0.3289



51.0007, 0.2541, 0.3012



51.0007, 0.2591, 0.2830

Triad

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



51.0007, 0.2541, 0.3012



51.0007, 0.3382, 0.3018



51.0007, 0.3468, 0.3847

Complementary

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



51.0007, 0.2541, 0.3012



40.0626, 0.4013, 0.3547

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.



51.0007, 0.3686, 0.3737



51.0007, 0.2541, 0.3012



51.0007, 0.3639, 0.3259

Square

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



51.0007, 0.2541, 0.3012



51.0007, 0.3064, 0.2844



51.0007, 0.3751, 0.3519



51.0007, 0.3165, 0.3796

Rectangle

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



51.0007, 0.2541, 0.3012



51.0007, 0.2702, 0.2778



51.0007, 0.3751, 0.3519



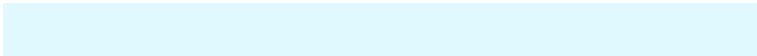
51.0007, 0.3554, 0.3827

Sweetspot

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



51.0027, 0.2541, 0.3012



90.0189, 0.2941, 0.3215



58.5015, 0.2954, 0.4209



19.0491, 0.2921, 0.3206



0.0000, 0.0000, 0.0000



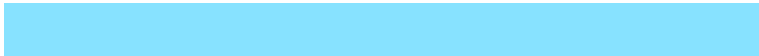
21.4041, 0.3127, 0.3290

Same Dimension

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



51.0027, 0.2541, 0.3012



66.7799, 0.2439, 0.2947



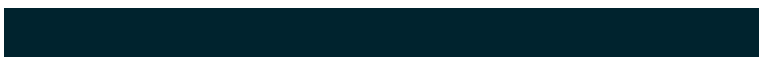
34.0273, 0.2449, 0.2413



14.2680, 0.2982, 0.3232



19.3871, 0.2026, 0.2492



1.3866, 0.2066, 0.2637

Inverse Universe

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



36.1388, 0.3377, 0.2530



44.1212, 0.3443, 0.2386



56.7721, 0.3813, 0.4032



13.2182, 0.3174, 0.3114



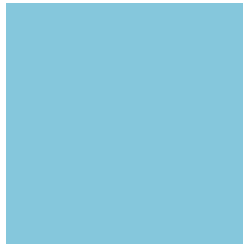
10.5809, 0.3930, 0.1939



0.6987, 0.3788, 0.1860

Previews

White Background



This preview shows how the Yxy color 51.0007, 0.2541, 0.3012 looks on a white background.

Color Contrast Check

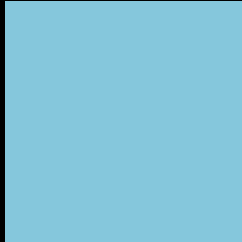
Large Text (above 18pt) WCAG AA × Fail

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 51.0007, 0.2541, 0.3012 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 51.0007, 0.2541, 0.3012

Background



This preview shows how black text looks on a background with the Yxy color 51.0007, 0.2541, 0.3012.



This preview shows how white text looks on a background with the Yxy color 51.0007, 0.2541, 0.3012.

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

51.0007, 0.2541, 0.3012

Protanopia

50.6084, 0.2926, 0.2982

Deuteranopia

50.5558, 0.2886, 0.2823



Tritanopia

51.1720, 0.2559, 0.3076

Trichromacy



Original Color

51.0007, 0.2541, 0.3012

Protanomaly

50.2749, 0.2768, 0.2985

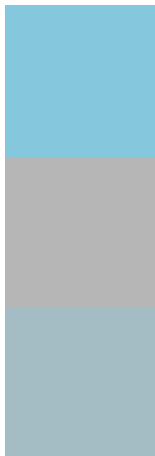
Deuteranomaly

50.1041, 0.2742, 0.2878

Tritanomaly

51.2238, 0.2553, 0.3064

Monochromacy



Original Color

51.0007, 0.2541, 0.3012

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

47.8445, 0.2878, 0.3184

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.0007, 0.2541, 0.3012 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(133, 199, 220)` looks like.

```
.text, #text, p{  
    color:rgb(133, 199, 220)  
}
```

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(133, 199, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 199, 220) }
```

Border

The CSS property to change the border of an element to Yxy 51.0007, 0.2541, 0.3012 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(133, 199, 220) }
```

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

```
.border{ border-color:rgb(133, 199, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 199, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 199, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 199, 220);  
box-shadow:4px 4px 4px 4px rgb(133, 199,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 51.0007, 0.2541, 0.3012 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 199, 220) }
```

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

```
.background{ background-color: rgb(133,  
199, 220) }
```

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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