

Converting Colors

$Y_{xy}(51.3167, 0.2332, 0.3077)$

Have a look what the booklet for
Yxy(51.3167, 0.2332, 0.3077)
contains.

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Color

Yxy(51.2479, 0.2332, 0.3082)

Conversions

Conversions Part 1

Format	Color
Hex	54CEDD
RGB	84, 206, 221
RGB Percent	33%, 81%, 87%
CMY	0.6707, 0.1921, 0.1333
CMYK	0.62, 0.07, 0.00, 0.13
HSL	187°, 67%, 60%
HSV	187°, 62%, 87%
XYZ	38.7768, 51.2479, 76.2566
YIQ	171.2320, -77.5270, -21.1990

Conversions

Conversions Part 2

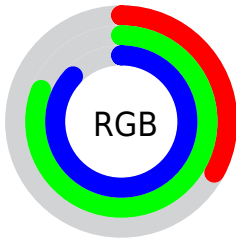
Format	Color
R _Y B	84, 149, 221
Decimal	5557981
CIE Lab	76.83, -29.29, -17.56
CIE LCh	77, 34.150, 210.945
Yxy	51.2479, 0.2332, 0.3082
Android (android.graphics.Color)	4283748061 (0xFF54CEDD)
YUV	171.2320, 24.5356, -76.5025
Hunter-Lab	71.5876, -28.5905, -13.0456

Details

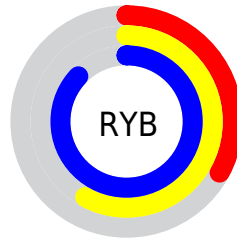
The Yxy color **51.2479, 0.2332, 0.3082** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **24.9312, 0.4975, 0.3457**, and the grayscale version is **40.7487, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.9430, 0.2549, 0.3288**, and **24.8864, 0.2169, 0.3007** is the 20% darker color. If you saturate the color by 10%, you get **49.2304, 0.2258, 0.3044**, and if you desaturate by 10%, it is **53.6087, 0.2425, 0.3120**.

Distribution



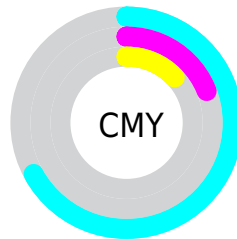
- Red (33%)
- Green (81%)
- Blue (87%)



- Red (33%)
- Yellow (58%)
- Blue (87%)



- Cyan (62%)
- Magenta (7%)
- Yellow (0%)
- Black (13%)





- Cyan (67%)
- Magenta (19%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.2479, 0.2332, 0.3082 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 51.2479, 0.2332, 0.3082 by changing the saturation by 10% instead.

 51.2479, 0.2332,
0.3082


 51.2479, 0.2332,
0.3082


391.5262, 0.2711,
0.3195


 36.4059, 0.2243,
0.3051


 92.0211, 0.2465,
0.3125

 24.7479, 0.2133,
0.3011


 118.7211, 0.2517,
0.3141

 15.8893, 0.1993,
0.2956


 150.1426, 0.2561,
0.3154

 9.4459, 0.1809,
0.2876

 186.6700, 0.2599,
0.3165

 5.0331, 0.1559,
0.2754

228.6877, 0.2632,
0.3174

 2.2667, 0.1208,
0.2549

276.5800, 0.2661,

 0.7560, 0.0011,

0.3182

0.2312

330.7313, 0.2688,
0.3189

0.0000, 0.0000,
0.0000

51.2479, 0.2332,
0.3082

51.2479, 0.2332,
0.3082

49.2304, 0.2258,
0.3044

53.6087, 0.2425,
0.3120

47.5189, 0.2204,
0.3005

56.3345, 0.2535,
0.3157

46.0776, 0.2168,
0.2968

59.4518, 0.2660,
0.3192

45.0690, 0.2149,
0.2938

62.9829, 0.2797,
0.3225

66.9484, 0.2943,
0.3256

71.3674, 0.3096,
0.3285

76.2581, 0.3252,
0.3311

80.5247, 0.3367,
0.3334

81.8446, 0.3364,
0.3358

Harmonies

Analogous

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



51.2479, 0.2572, 0.3536



51.2479, 0.2332, 0.3082



51.2479, 0.2290, 0.2735

Triad

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



51.2479, 0.2332, 0.3082



51.2479, 0.3238, 0.2745



51.2479, 0.3822, 0.4038

Complementary

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



51.2479, 0.2332, 0.3082



24.9312, 0.4975, 0.3457

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.



51.2479, 0.4037, 0.3760



51.2479, 0.2332, 0.3082



51.2479, 0.3691, 0.3037

Square

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



51.2479, 0.2332, 0.3082



51.2479, 0.2784, 0.2575



51.2479, 0.3992, 0.3398



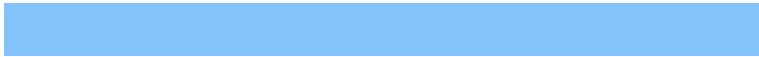
51.2479, 0.3426, 0.4125

Rectangle

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



51.2479, 0.2332, 0.3082



51.2479, 0.2374, 0.2601



51.2479, 0.3992, 0.3398



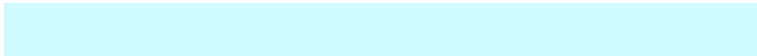
51.2479, 0.3918, 0.3961

Sweetspot

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



51.2498, 0.2332, 0.3082



88.6037, 0.2838, 0.3234



54.4745, 0.2977, 0.5115



18.6400, 0.2796, 0.3225



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.



51.2498, 0.2332, 0.3082



67.4316, 0.2242, 0.3034



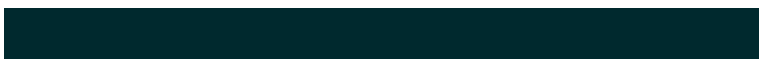
25.5080, 0.2100, 0.2067



14.5734, 0.2982, 0.3264



26.2830, 0.2151, 0.2944



1.7738, 0.2168, 0.3005

Inverse Universe

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



26.1662, 0.3358, 0.1991



31.1520, 0.3412, 0.1829



43.3551, 0.4385, 0.4217



13.2490, 0.3154, 0.3084



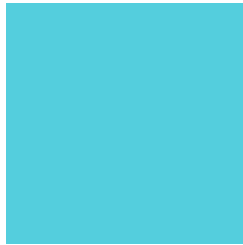
11.2770, 0.3504, 0.1704



0.7378, 0.3450, 0.1674

Previews

White Background



This preview shows how the Yxy color 51.2479, 0.2332, 0.3082 looks on a white background.

Color Contrast Check

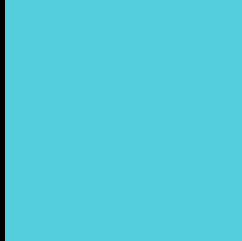
Large Text (above 18pt) WCAG AA × Fail

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 51.2479, 0.2332, 0.3082 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

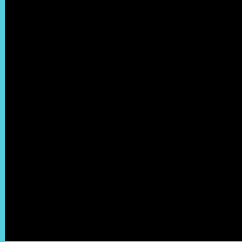
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.2479, 0.2332, 0.3082

Background



This preview shows how black text looks on a background with the Yxy color 51.2479, 0.2332, 0.3082.



This preview shows how white text looks on a background with the Yxy color 51.2479, 0.2332, 0.3082.

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

51.2479, 0.2332, 0.3082

Protanopia

50.5832, 0.2955, 0.3018

Deuteranopia

50.4633, 0.2851, 0.2787



Tritanopia

51.3478, 0.2331, 0.3069

Trichromacy



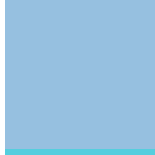
Original Color

51.2479, 0.2332, 0.3082



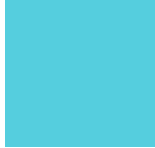
Protanomaly

49.7772, 0.2669, 0.3040



Deuteranomaly

49.5651, 0.2607, 0.2879



Tritanomaly

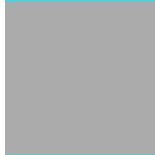
51.3478, 0.2331, 0.3069

Monochromacy



Original Color

51.2479, 0.2332, 0.3082



Achromatopsia

40.7240, 0.3127, 0.3290



Achromatomaly

43.4441, 0.2739, 0.3218

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.2479, 0.2332, 0.3082 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(84, 206, 221)` looks like.

```
.text, #text, p{  
    color:rgb(84, 206, 221)  
}
```

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(84, 206, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 206, 221) }
```

Border

The CSS property to change the border of an element to Yxy 51.2479, 0.2332, 0.3082 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(84, 206, 221) }
```

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

```
.border{ border-color:rgb(84, 206, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 206, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 206, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 206, 221);  
box-shadow:4px 4px 4px 4px rgb(84, 206,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 51.2479, 0.2332, 0.3082 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 206, 221) }
```

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

```
.background{ background-color: rgb(84, 206,  
221) }
```

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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