

Converting Colors

$Y_{xy}(51.5557, 0.2264, 0.2954)$

Have a look what the booklet for
Yxy(51.5557, 0.2264, 0.2954)
contains.

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Color

Yxy(51.4486, 0.2264, 0.2950)

Conversions

Conversions Part 1

Format	Color
Hex	4CCEE7
RGB	76, 206, 231
RGB Percent	30%, 81%, 91%
CMY	0.7015, 0.1922, 0.0940
CMYK	0.67, 0.11, 0.00, 0.09
HSL	190°, 76%, 60%
HSV	190°, 67%, 91%
XYZ	39.4846, 51.4486, 83.4688
YIQ	169.9800, -85.5050, -19.7850

Conversions

Conversions Part 2

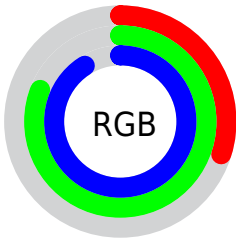
Format	Color
RYB	76, 147, 231
Decimal	5033703
CIELab	76.95, -27.57, -22.78
CIELCh	77, 35.765, 219.572
Yxy	51.4486, 0.2264, 0.2950
Android (android.graphics.Color)	4283223783 (0xFF4CCEE7)
YUV	169.9800, 30.0829, -82.4205
Hunter-Lab	71.7277, -27.2628, -18.7858

Details

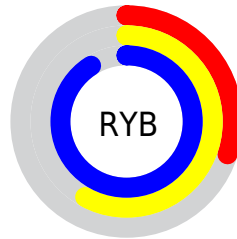
The Yxy color **51.4486, 0.2264, 0.2950** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **26.8532, 0.5138, 0.3543**, and the grayscale version is **40.0837, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.4908, 0.2528, 0.3288**, and **25.2284, 0.2126, 0.2852** is the 20% darker color. If you saturate the color by 10%, you get **48.8902, 0.2193, 0.2892**, and if you desaturate by 10%, it is **54.3932, 0.2354, 0.3008**.

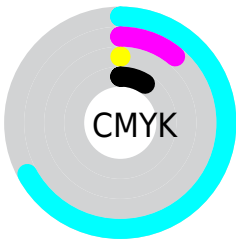
Distribution



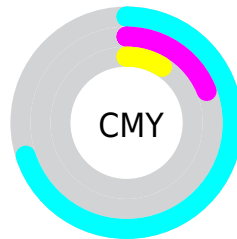
- Red (30%)
- Green (81%)
- Blue (91%)



- Red (30%)
- Yellow (58%)
- Blue (91%)



- Cyan (67%)
- Magenta (11%)
- Yellow (0%)
- Black (9%)



- Cyan (70%)
- Magenta (19%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.4486, 0.2264, 0.2950 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 51.4486, 0.2264, 0.2950 by changing the saturation by 10% instead.

51.4486, 0.2264,
0.2950

51.4486, 0.2264,
0.2950

392.3042, 0.2672,
0.3128

36.5657, 0.2170,
0.2904

92.3175, 0.2407,
0.3016

24.8714, 0.2053,
0.2844

119.0724, 0.2462,
0.3041

15.9813, 0.1905,
0.2764

150.5534, 0.2510,
0.3061

9.5109, 0.1713,
0.2652

187.1449, 0.2551,
0.3079

5.0759, 0.1457,
0.2487

229.2314, 0.2587,
0.3094

2.2919, 0.1107,
0.2226

277.1971, 0.2619,

0.7694, 0.0141,

0.3107

0.1864

331.4266, 0.2647,
0.3118

■ 0.0000, 0.0000,
0.0000

■ 51.4486, 0.2264,
0.2950

■ 51.4486, 0.2264,
0.2950

■ 48.8902, 0.2193,
0.2892

■ 54.3932, 0.2354,
0.3008

■ 46.6737, 0.2141,
0.2834

■ 57.7513, 0.2462,
0.3064


■ 44.7512, 0.2108,
0.2776


■ 61.5538, 0.2586,
0.3118


■ 44.2167, 0.2100,
0.2759


■ 65.8271, 0.2721,
0.3169

■ 70.5951, 0.2867,
0.3217

 75.8803, 0.3018,
0.3261

 81.7035, 0.3173,
0.3301

 86.9409, 0.3287,
0.3338

 89.1117, 0.3284,
0.3375

Harmonies

Analogous

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



51.4486, 0.2456, 0.3407



51.4486, 0.2264, 0.2950



51.4486, 0.2281, 0.2639

Triad

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



51.4486, 0.2264, 0.2950



51.4486, 0.3385, 0.2799



51.4486, 0.3747, 0.4123

Complementary

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



51.4486, 0.2264, 0.2950



26.8532, 0.5138, 0.3543

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.



51.4486, 0.4038, 0.3875



51.4486, 0.2264, 0.2950



51.4486, 0.3830, 0.3129

Square

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



51.4486, 0.2264, 0.2950



51.4486, 0.2896, 0.2581



51.4486, 0.4075, 0.3511



51.4486, 0.3301, 0.4140

Rectangle

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



51.4486, 0.2264, 0.2950



51.4486, 0.2407, 0.2537



51.4486, 0.4075, 0.3511



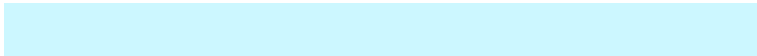
51.4486, 0.3867, 0.4060

Sweetspot

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



51.4505, 0.2264, 0.2950



86.4310, 0.2822, 0.3203



59.6150, 0.2941, 0.5181



18.1370, 0.2780, 0.3189



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.



51.4505, 0.2264, 0.2950



60.1834, 0.2173, 0.2872



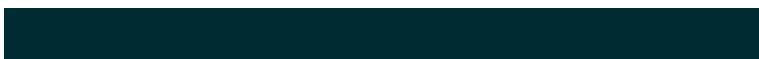
23.3666, 0.1994, 0.1831



15.9189, 0.2981, 0.3251



24.9366, 0.2102, 0.2769



1.9492, 0.2126, 0.2852

Inverse Universe

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



26.6338, 0.3474, 0.1982



28.9033, 0.3558, 0.1849



48.8848, 0.4440, 0.4345



14.5731, 0.3162, 0.3095



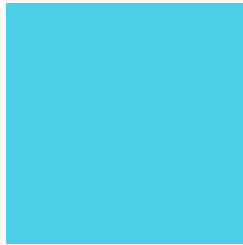
11.7151, 0.3664, 0.1792



0.8765, 0.3586, 0.1749

Previews

White Background



This preview shows how the Yxy color 51.4486, 0.2264, 0.2950 looks on a white background.

Color Contrast Check

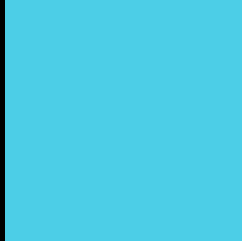
Large Text (above 18pt) WCAG AA × Fail

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 51.4486, 0.2264, 0.2950 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 51.4486, 0.2264, 0.2950

Background



This preview shows how black text looks on a background with the Yxy color 51.4486, 0.2264, 0.2950.



This preview shows how white text looks on a background with the Yxy color 51.4486, 0.2264, 0.2950.

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

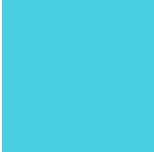
51.4486, 0.2264, 0.2950

Protanopia

50.6699, 0.2869, 0.2910

Deuteranopia

50.8213, 0.2748, 0.2685



Tritanopia

51.3852, 0.2285, 0.3054

Trichromacy



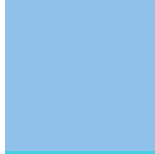
Original Color

51.4486, 0.2264, 0.2950



Protanomaly

49.8406, 0.2579, 0.2914



Deuteranomaly

50.0097, 0.2516, 0.2770



Tritanomaly

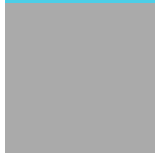
51.5882, 0.2275, 0.3015

Monochromacy



Original Color

51.4486, 0.2264, 0.2950



Achromatopsia

40.1978, 0.3127, 0.3290



Achromatomaly

42.9070, 0.2697, 0.3161

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.4486, 0.2264, 0.2950 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(76, 206, 231)` looks like.

```
.text, #text, p{  
    color:rgb(76, 206, 231)  
}
```

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(76, 206, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 206, 231) }
```

Border

The CSS property to change the border of an element to Yxy 51.4486, 0.2264, 0.2950 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(76, 206, 231) }
```

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

```
.border{ border-color:rgb(76, 206, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 206, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 206, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 206, 231);  
box-shadow:4px 4px 4px 4px rgb(76, 206,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 51.4486, 0.2264, 0.2950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 206, 231) }
```

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

```
.background{ background-color: rgb(76, 206,  
231) }
```

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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