

Converting Colors

$Y_{xy}(50.4185, 0.2162, 0.2936)$

Have a look what the booklet for
Yxy(50.4185, 0.2162, 0.2936)
contains.

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Color

Yxy(50.6340, 0.2164, 0.2943)

Conversions

Conversions Part 1

Format	Color
Hex	17CFE8
RGB	23, 207, 232
RGB Percent	9%, 81%, 91%
CMY	0.9107, 0.1882, 0.0900
CMYK	0.90, 0.11, 0.00, 0.09
HSL	187°, 82%, 50%
HSV	187°, 90%, 91%
XYZ	37.2314, 50.6340, 84.1835
YIQ	154.8340, -117.6890, -31.2330

Conversions

Conversions Part 2

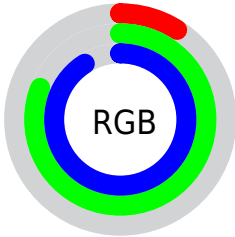
Format	Color
R _Y B	23, 121, 232
Decimal	1560552
CIE Lab	76.46, -32.68, -24.16
CIE LCh	76, 40.637, 216.471
Yxy	50.6340, 0.2164, 0.2943
Android (android.graphics.Color)	4279750632 (0xFF17CFE8)
YUV	154.8340, 38.0428, -115.6184
Hunter-Lab	71.1576, -31.1302, -20.3332

Details

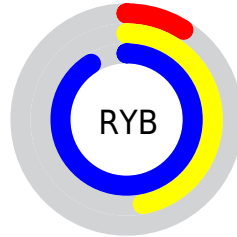
The Yxy color **50.6340, 0.2164, 0.2943** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **19.3205, 0.6102, 0.3418**, and the grayscale version is **32.5387, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3848, 0.2430, 0.3288**, and **25.5911, 0.2126, 0.2854** is the 20% darker color. If you saturate the color by 10%, you get **49.1485, 0.2140, 0.2903**, and if you desaturate by 10%, it is **52.3934, 0.2204, 0.2985**.

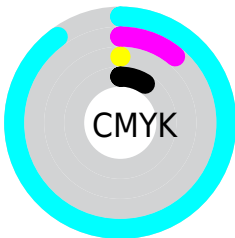
Distribution



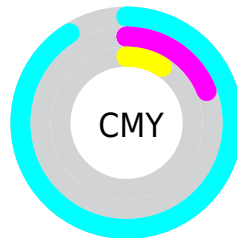
- Red (9%)
- Green (81%)
- Blue (91%)



- Red (9%)
- Yellow (47%)
- Blue (91%)



- Cyan (90%)
- Magenta (11%)
- Yellow (0%)
- Black (9%)




- Cyan (91%)
- Magenta (19%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.6340, 0.2164, 0.2943 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 50.6340, 0.2164, 0.2943 by changing the saturation by 10% instead.

 50.6340, 0.2164,
0.2943

 50.6340, 0.2164,
0.2943


389.1401, 0.2618,
0.3129


 35.9174, 0.2060,
0.2894


 91.1135, 0.2322,
0.3013

 24.3704, 0.1931,
0.2831


 117.6453, 0.2384,
0.3038


 15.6086, 0.1770,
0.2745


 148.8842, 0.2437,
0.3059

 9.2476, 0.1562,
0.2625

 185.2147, 0.2483,
0.3078

 4.9031, 0.1289,
0.2446

 227.0211, 0.2523,
0.3093

 2.1905, 0.0926,
0.2163

274.6879, 0.2558,

 0.7148, 0.0000,

0.3107

0.1744

328.5994, 0.2590,
0.3118

0.0000, 0.0000,
0.0000

50.6340, 0.2164,
0.2943

50.6340, 0.2164,
0.2943

49.1485, 0.2140,
0.2903

52.3934, 0.2204,
0.2985

54.4654, 0.2263,
0.3027

56.8932, 0.2342,
0.3069

59.7112, 0.2439,
0.3111

62.9499, 0.2553,
0.3151

■ 66.6365, 0.2682,
0.3189

■ 70.7957, 0.2822,
0.3225

■ 75.4505, 0.2970,
0.3259

■ 80.6223, 0.3124,
0.3289

Harmonies

Analogous

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



50.6340, 0.2399, 0.3478



50.6340, 0.2164, 0.2943



50.6340, 0.2160, 0.2575

Triad

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



50.6340, 0.2164, 0.2943



50.6340, 0.3360, 0.2703



50.6340, 0.3871, 0.4217

Complementary

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



50.6340, 0.2164, 0.2943



19.3205, 0.6102, 0.3418

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.



50.6340, 0.4183, 0.3904



50.6340, 0.2164, 0.2943



50.6340, 0.3886, 0.3061

Square

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



50.6340, 0.2164, 0.2943



50.6340, 0.2808, 0.2476



50.6340, 0.4196, 0.3485



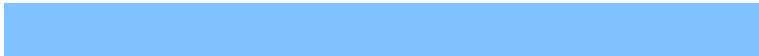
50.6340, 0.3374, 0.4283

Rectangle

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



50.6340, 0.2164, 0.2943



50.6340, 0.2285, 0.2450



50.6340, 0.4196, 0.3485



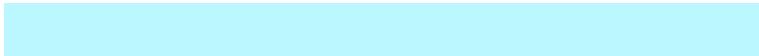
50.6340, 0.4002, 0.4133

Sweetspot

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



50.6358, 0.2164, 0.2943



84.0551, 0.2723, 0.3200



58.1216, 0.2967, 0.5800



17.6289, 0.2676, 0.3188



0.0000, 0.0000, 0.0000



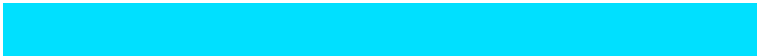
21.4041, 0.3127, 0.3290

Same Dimension

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



50.6358, 0.2164, 0.2943



60.7983, 0.2139, 0.2900



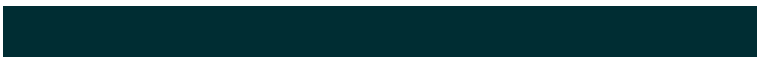
15.7051, 0.1737, 0.1380



16.0265, 0.2982, 0.3261



27.3983, 0.2142, 0.2909



2.1081, 0.2158, 0.2970

Inverse Universe

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



22.2710, 0.3502, 0.1739



26.6688, 0.3543, 0.1725



39.6201, 0.4941, 0.4385



14.5840, 0.3156, 0.3086



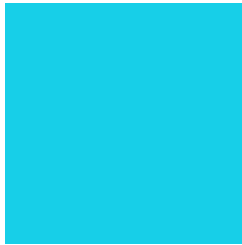
11.9636, 0.3535, 0.1721



0.8925, 0.3481, 0.1691

Previews

White Background



This preview shows how the Yxy color 50.6340, 0.2164, 0.2943 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 50.6340, 0.2164, 0.2943 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

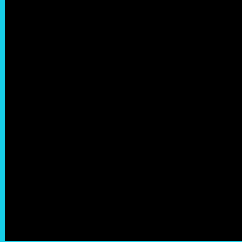
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.6340, 0.2164, 0.2943

Background



This preview shows how black text looks on a background with the Yxy color 50.6340, 0.2164, 0.2943.



This preview shows how white text looks on a background with the Yxy color 50.6340, 0.2164, 0.2943.

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

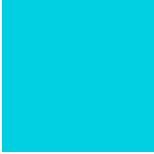
50.6340, 0.2164, 0.2943

Protanopia

49.5314, 0.2860, 0.2895

Deuteranopia

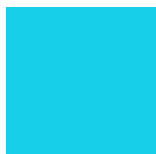
49.9791, 0.2713, 0.2657



Tritanopia

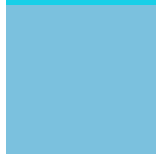
50.5480, 0.2180, 0.3049

Trichromacy



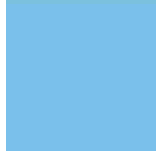
Original Color

50.6340, 0.2164, 0.2943



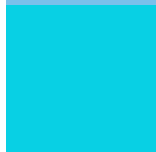
Protanomaly

47.6248, 0.2462, 0.2900



Deuteranomaly

47.8350, 0.2388, 0.2728



Tritanomaly

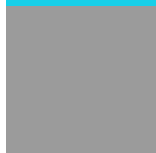
50.7648, 0.2173, 0.3009

Monochromacy



Original Color

50.6340, 0.2164, 0.2943



Achromatopsia

32.7778, 0.3127, 0.3290



Achromatomaly

36.8168, 0.2545, 0.3149

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.6340, 0.2164, 0.2943 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(23, 207, 232)` looks like.

```
.text, #text, p{  
    color:rgb(23, 207, 232)  
}
```

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(23, 207, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 207, 232) }
```

Border

The CSS property to change the border of an element to Yxy 50.6340, 0.2164, 0.2943 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(23, 207, 232) }
```

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

```
.border{ border-color:rgb(23, 207, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(23, 207, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 207, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 207, 232);  
box-shadow:4px 4px 4px 4px rgb(23, 207,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 50.6340, 0.2164, 0.2943 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 207, 232) }
```

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

```
.background{ background-color: rgb(23, 207,  
232) }
```

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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