

Converting Colors

$Y_{xy}(43.7333, 0.2179, 0.2983)$

Have a look what the booklet for
Yxy(43.7333, 0.2179, 0.2983)
contains.

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Color

Yxy(43.6841, 0.2177, 0.2979)

Conversions

Conversions Part 1

Format	Color
Hex	17C2D7
RGB	23, 194, 215
RGB Percent	9%, 76%, 84%
CMY	0.9079, 0.2391, 0.1569
CMYK	0.89, 0.10, 0.00, 0.16
HSL	187°, 80%, 47%
HSV	187°, 89%, 84%
XYZ	31.9236, 43.6841, 71.0325
YIQ	145.2650, -108.6570, -29.7210

Conversions

Conversions Part 2

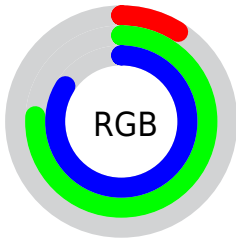
Format	Color
R_{YB}	23, 113, 215
Decimal	1557207
CIE _{Lab}	72.02, -31.82, -21.71
CIE _{LCh}	72, 38.522, 214.295
Yxy	43.6841, 0.2177, 0.2979
Android (android.graphics.Color)	4279747287 (0xFF17C2D7)
YUV	145.2650, 34.3794, -107.2264
Hunter-Lab	66.0939, -29.4484, -17.4544

Details

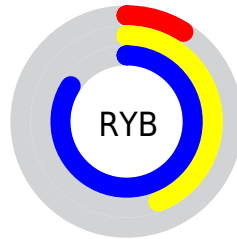
The Yxy color **43.6841, 0.2177, 0.2979** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **16.3445, 0.6075, 0.3412**, and the grayscale version is **28.3846, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.5939, 0.2407, 0.3241**, and **21.2942, 0.2138, 0.2895** is the 20% darker color. If you saturate the color by 10%, you get **42.4708, 0.2152, 0.2942**, and if you desaturate by 10%, it is **45.1116, 0.2218, 0.3017**.

Distribution



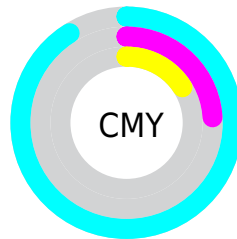
- Red (9%)
- Green (76%)
- Blue (84%)



- Red (9%)
- Yellow (44%)
- Blue (84%)



- Cyan (89%)
- Magenta (10%)
- Yellow (0%)
- Black (16%)





- Cyan (91%)
- Magenta (24%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.6841, 0.2177, 0.2979 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 43.6841, 0.2177, 0.2979 by changing the saturation by 10% instead.


 43.6841, 0.2177,
0.2979

 43.6841, 0.2177,
0.2979


361.4176, 0.2638,
0.3151


 30.4222, 0.2068,
0.2932


 80.7422, 0.2340,
0.3045


 20.1593, 0.1932,
0.2869


 105.3072, 0.2403,
0.3069

 12.5109, 0.1758,
0.2782


 134.4087, 0.2456,
0.3088

 7.0926, 0.1530,
0.2656

 168.4311, 0.2502,
0.3105

 3.5201, 0.1223,
0.2460

 207.7588, 0.2543,
0.3119

 1.4089, 0.0742,
0.2145

252.7762, 0.2578,

 0.2233, 0.0000,

0.3131

0.1004

303.8677, 0.2609,
0.3142

■ 0.0000, 0.0000,
0.0000

■ 43.6841, 0.2177,
0.2979

■ 43.6841, 0.2177,
0.2979

■ 42.4708, 0.2152,
0.2942

■ 45.1116, 0.2218,
0.3017

■ 42.3632, 0.2150,
0.2938

■ 46.8022, 0.2279,
0.3055

■ 48.7907, 0.2358,
0.3093

■ 51.1053, 0.2456,
0.3131

■ 53.7706, 0.2571,
0.3167

■ 56.8091, 0.2699,
0.3202

■ 60.2410, 0.2839,
0.3234

■ 64.0853, 0.2988,
0.3265

■ 68.3593, 0.3141,
0.3292

Harmonies

Analogous

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



43.6841, 0.2428, 0.3518



43.6841, 0.2177, 0.2979



43.6841, 0.2157, 0.2597

Triad

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



43.6841, 0.2177, 0.2979



43.6841, 0.3318, 0.2684



43.6841, 0.3899, 0.4197

Complementary

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



43.6841, 0.2177, 0.2979



16.3445, 0.6075, 0.3412

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.



43.6841, 0.4190, 0.3874



43.6841, 0.2177, 0.2979



43.6841, 0.3850, 0.3033

Square

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



43.6841, 0.2177, 0.2979



43.6841, 0.2773, 0.2469



43.6841, 0.4180, 0.3454



43.6841, 0.3413, 0.4285

Rectangle

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



43.6841, 0.2177, 0.2979



43.6841, 0.2270, 0.2462



43.6841, 0.4180, 0.3454



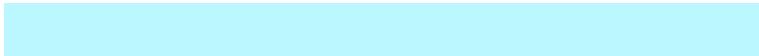
43.6841, 0.4024, 0.4108

Sweetspot

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



43.6857, 0.2177, 0.2979



84.4814, 0.2724, 0.3208



48.9559, 0.2972, 0.5799



17.7311, 0.2677, 0.3196



0.0000, 0.0000, 0.0000



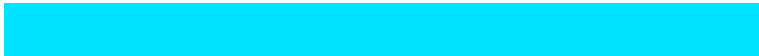
21.4041, 0.3127, 0.3290

Same Dimension

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



43.6857, 0.2177, 0.2979



62.1996, 0.2149, 0.2935



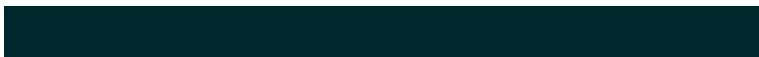
14.2238, 0.1763, 0.1458



13.8647, 0.2983, 0.3264



25.4368, 0.2151, 0.2944



1.6021, 0.2169, 0.3009

Inverse Universe

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



18.9735, 0.3469, 0.1729



26.8102, 0.3512, 0.1708



32.7972, 0.4955, 0.4354



12.6082, 0.3154, 0.3085



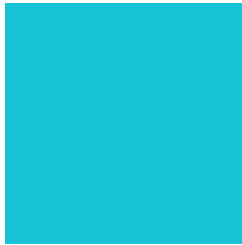
10.9127, 0.3504, 0.1704



0.6651, 0.3446, 0.1672

Previews

White Background



This preview shows how the Yxy color 43.6841, 0.2177, 0.2979 looks on a white background.

Color Contrast Check

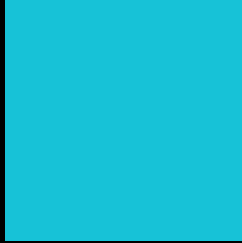
Large Text (above 18pt) WCAG AA × Fail

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 43.6841, 0.2177, 0.2979 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

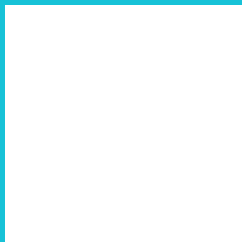
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 43.6841, 0.2177, 0.2979

Background



This preview shows how black text looks on a background with the Yxy color 43.6841, 0.2177, 0.2979.



This preview shows how white text looks on a background with the Yxy color 43.6841, 0.2177, 0.2979.

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

43.6720, 0.2176, 0.2979

Protanopia

43.0352, 0.2882, 0.2935

Deuteranopia

43.1074, 0.2738, 0.2680



Tritanopia

43.7979, 0.2186, 0.3050

Trichromacy



Original Color

43.6720, 0.2176, 0.2979



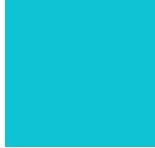
Protanomaly

41.2859, 0.2486, 0.2932



Deuteranomaly

41.4175, 0.2412, 0.2761



Tritanomaly

43.8852, 0.2185, 0.3035

Monochromacy



Original Color

43.6720, 0.2176, 0.2979



Achromatopsia

28.3149, 0.3127, 0.3290



Achromatomaly

31.8634, 0.2562, 0.3173

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.6841, 0.2177, 0.2979 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, 194, 215)` looks like.

```
.text, #text, p{  
  color:rgb(23, 194, 215)  
}
```

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, 194, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 194, 215) }
```

Border

The CSS property to change the border of an element to Yxy 43.6841, 0.2177, 0.2979 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, 194, 215) }
```

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

```
.border{ border-color:rgb(23, 194, 215) }
```

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

Here you see how a box with a 4 pixel rgb(23, 194, 215) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 194, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 194, 215);  
box-shadow:4px 4px 4px 4px rgb(23, 194,  
215) }
```


Background

The CSS property to change the background color of an element to Yxy 43.6841, 0.2177, 0.2979 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 194, 215) }
```

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

```
.background{ background-color: rgb(23, 194,  
215) }
```

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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