

Converting Colors

$Y_{xy}(44.8917, 0.2104, 0.2731)$

Have a look what the booklet for
Yxy(44.8917, 0.2104, 0.2731)
contains.

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Color

Yxy(44.6835, 0.2103, 0.2728)

Conversions

Conversions Part 1

Format	Color
Hex	15C2EA
RGB	21, 194, 234
RGB Percent	8%, 76%, 92%
CMY	0.9196, 0.2392, 0.0823
CMYK	0.91, 0.17, 0.00, 0.08
HSL	191°, 84%, 50%
HSV	191°, 91%, 92%
XYZ	34.4463, 44.6835, 84.6661
YIQ	146.8330, -115.9480, -24.2360

Conversions

Conversions Part 2

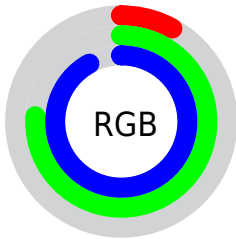
Format	Color
R _Y B	21, 116, 234
Decimal	1426154
CIE Lab	72.68, -25.77, -31.01
CIE LCh	73, 40.323, 230.272
Yxy	44.6835, 0.2103, 0.2728
Android (android.graphics.Color)	4279616234 (0xFF15C2EA)
YUV	146.8330, 42.9733, -110.3555
Hunter-Lab	66.8457, -24.9972, -28.3041

Details

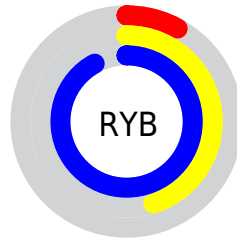
The Yxy color **44.6835, 0.2103, 0.2728** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **20.8337, 0.6015, 0.3509**, and the grayscale version is **28.8998, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.7918, 0.2417, 0.3242**, and **21.9705, 0.2053, 0.2590** is the 20% darker color. If you saturate the color by 10%, you get **42.8429, 0.2075, 0.2669**, and if you desaturate by 10%, it is **47.0454, 0.2150, 0.2796**.

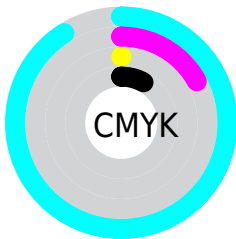
Distribution



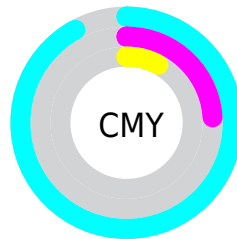
- Red (8%)
- Green (76%)
- Blue (92%)



- Red (8%)
- Yellow (45%)
- Blue (92%)



- Cyan (91%)
- Magenta (17%)
- Yellow (0%)
- Black (8%)





- Cyan (92%)
- Magenta (24%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.6835, 0.2103, 0.2728 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 44.6835, 0.2103, 0.2728 by changing the saturation by 10% instead.

 44.6835, 0.2103,
0.2728


 44.6835, 0.2103,
0.2728


365.4902, 0.2593,
0.3021

 31.2082, 0.1989,
0.2653


 82.2453, 0.2275,
0.2836


 20.7574, 0.1849,
0.2557


 107.1005, 0.2341,
0.2876


 12.9468, 0.1673,
0.2429


 136.5179, 0.2398,
0.2910

 7.3919, 0.1446,
0.2253

 170.8818, 0.2447,
0.2939

 3.7084, 0.1149,
0.2001

 210.5765, 0.2491,
0.2964

 1.5118, 0.0758,
0.1624

255.9866, 0.2529,

 0.2970, 0.0000,

0.2985

0.0795

307.4964, 0.2563,
0.3004

■ 0.0000, 0.0000,
0.0000

■ 44.6835, 0.2103,
0.2728

■ 44.6835, 0.2103,
0.2728

■ 42.8429, 0.2075,
0.2669

■ 47.0454, 0.2150,
0.2796

■ 49.7552, 0.2216,
0.2865

■ 52.8581, 0.2302,
0.2933

■ 56.3902, 0.2407,
0.3000

■ 60.3833, 0.2527,
0.3064

■ 64.8659, 0.2660,
0.3125

■ 69.8637, 0.2804,
0.3183

■ 75.4008, 0.2954,
0.3236

■ 81.4994, 0.3108,
0.3284

Harmonies

Analogous

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



44.6835, 0.2235, 0.3215



44.6835, 0.2103, 0.2728



44.6835, 0.2208, 0.2452

Triad

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



44.6835, 0.2103, 0.2728



44.6835, 0.3633, 0.2841



44.6835, 0.3673, 0.4321

Complementary

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



44.6835, 0.2103, 0.2728



20.8337, 0.6015, 0.3509

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.



44.6835, 0.4101, 0.4092



44.6835, 0.2103, 0.2728



44.6835, 0.4098, 0.3249

Square

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



44.6835, 0.2103, 0.2728



44.6835, 0.3050, 0.2539



44.6835, 0.4269, 0.3693



44.6835, 0.3120, 0.4231

Rectangle

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



44.6835, 0.2103, 0.2728



44.6835, 0.2404, 0.2392



44.6835, 0.4269, 0.3693



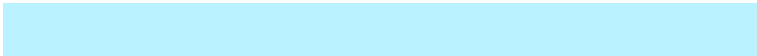
44.6835, 0.3837, 0.4274

Sweetspot

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



44.6851, 0.2103, 0.2728



81.2413, 0.2718, 0.3149



59.3341, 0.2938, 0.5709



16.9553, 0.2670, 0.3129



0.0000, 0.0000, 0.0000



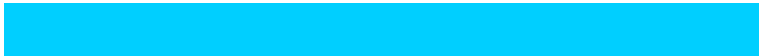
21.4041, 0.3127, 0.3290

Same Dimension

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



44.6851, 0.2103, 0.2728



51.9520, 0.2074, 0.2666



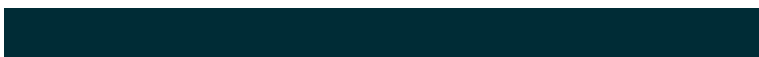
13.0944, 0.1678, 0.1178



16.6141, 0.2981, 0.3245



24.2448, 0.2078, 0.2680



2.0277, 0.2104, 0.2773

Inverse Universe

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



21.9098, 0.3698, 0.1844



25.7757, 0.3761, 0.1845



44.9688, 0.4797, 0.4515



15.2625, 0.3166, 0.3101



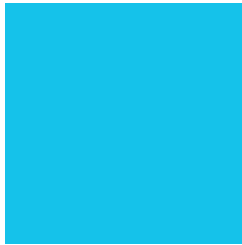
11.9403, 0.3747, 0.1838



0.9501, 0.3659, 0.1789

Previews

White Background



This preview shows how the Yxy color 44.6835, 0.2103, 0.2728 looks on a white background.

Color Contrast Check

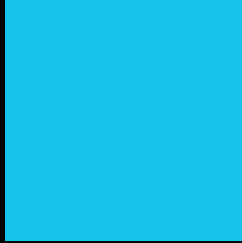
Large Text (above 18pt) WCAG AA × Fail

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 44.6835, 0.2103, 0.2728 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 44.6835, 0.2103, 0.2728

Background



This preview shows how black text looks on a background with the Yxy color 44.6835, 0.2103, 0.2728.

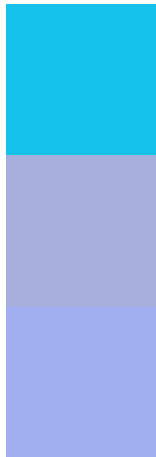


This preview shows how white text looks on a background with the Yxy color 44.6835, 0.2103, 0.2728.

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

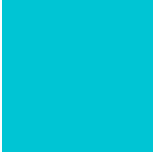
44.6835, 0.2103, 0.2728

Protanopia

43.9342, 0.2718, 0.2716

Deuteranopia

43.9777, 0.2555, 0.2485



Tritanopia

44.6860, 0.2185, 0.3066

Trichromacy



Original Color

44.6835, 0.2103, 0.2728



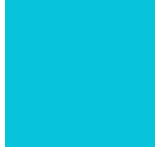
Protanomaly

42.4029, 0.2365, 0.2701



Deuteranomaly

42.4134, 0.2285, 0.2542



Tritanomaly

44.6923, 0.2154, 0.2939

Monochromacy



Original Color

44.6835, 0.2103, 0.2728



Achromatopsia

29.1771, 0.3127, 0.3290



Achromatomaly

32.5723, 0.2506, 0.3048

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.6835, 0.2103, 0.2728 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(21, 194, 234)` looks like.

```
.text, #text, p{  
    color:rgb(21, 194, 234)  
}
```

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(21, 194, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 194, 234) }
```

Border

The CSS property to change the border of an element to Yxy 44.6835, 0.2103, 0.2728 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(21, 194, 234) }
```

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

```
.border{ border-color:rgb(21, 194, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 194, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 194, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 194, 234);  
box-shadow:4px 4px 4px 4px rgb(21, 194,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 44.6835, 0.2103, 0.2728 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 194, 234) }
```

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

```
.background{ background-color: rgb(21, 194,  
234) }
```

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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