

Converting Colors

$Y_{xy}(44.2844, 0.1610, 0.2761)$

Have a look what the booklet for
Yxy(44.2844, 0.1610, 0.2761)
contains.

Yxy(50.4935, 0.2115, 0.2814)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(50.4935, 0.2115, 0.2814)

Conversions

Conversions Part 1

Format	Color
Hex	00CEF1
RGB	0, 206, 241
RGB Percent	0%, 81%, 95%
CMY	1.0000, 0.1922, 0.0548
CMYK	1.00, 0.15, 0.00, 0.05
HSL	189°, 100%, 47%
HSV	189°, 100%, 95%
XYZ	37.9509, 50.4935, 90.9924
YIQ	148.3960, -134.0110, -32.7870

Conversions

Conversions Part 2

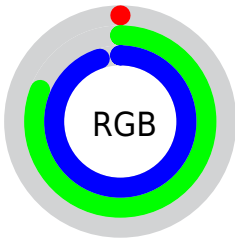
Format	Color
RYB	0, 111, 241
Decimal	52977
CIELab	76.37, -29.97, -29.12
CIELCh	76, 41.788, 224.181
Yxy	50.4935, 0.2115, 0.2814
Android (android.graphics.Color)	4278243057 (0xFF00CEF1)
YUV	148.3960, 45.6538, -130.1433
Hunter-Lab	71.0588, -29.0201, -26.1810

Details

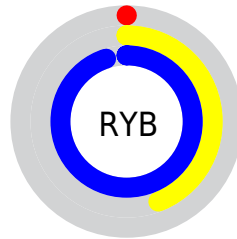
The Yxy color **50.4935, 0.2115, 0.2814** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **19.9113, 0.6284, 0.3392**, and the grayscale version is **29.6378, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.1847, 0.2420, 0.3288**, and **25.6360, 0.2081, 0.2691** is the 20% darker color. If you saturate the color by 10%, you get **50.4961, 0.2115, 0.2814**, and if you desaturate by 10%, it is **52.3974, 0.2143, 0.2865**.

Distribution



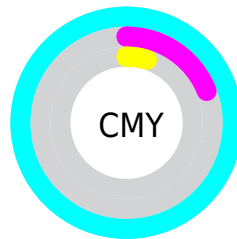
- Red (0%)
- Green (81%)
- Blue (95%)



- Red (0%)
- Yellow (44%)
- Blue (95%)



- Cyan (100%)
- Magenta (15%)
- Yellow (0%)
- Black (5%)




- Cyan (100%)
- Magenta (19%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.4935, 0.2115, 0.2814 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 50.4935, 0.2115, 0.2814 by changing the saturation by 10% instead.


 50.4935, 0.2115,
0.2814

 50.4935, 0.2115,
0.2814

388.5927, 0.2590,
0.3062

 35.8057, 0.2007,
0.2751

 90.9056, 0.2280,
0.2905


 24.2842, 0.1875,
0.2670

 117.3987, 0.2344,
0.2939


 15.5445, 0.1709,
0.2563


 148.5957, 0.2399,
0.2968

 9.2024, 0.1498,
0.2416

 184.8810, 0.2447,
0.2992

 4.8735, 0.1224,
0.2205

 226.6389, 0.2489,
0.3013

 2.1732, 0.0869,
0.1888

274.2539, 0.2527,

 0.7053, 0.0000,

0.3031

0.1431

328.1104, 0.2560,
0.3048

■ 0.0000, 0.0000,
0.0000

■ 50.4935, 0.2115,
0.2814

■ 50.4935, 0.2115,
0.2814

■ 50.4961, 0.2115,
0.2814

■ 52.3974, 0.2143,
0.2865

■ 54.5790, 0.2186,
0.2917

■ 57.1170, 0.2249,
0.2969

■ 60.0566, 0.2331,
0.3021

■ 63.4361, 0.2432,
0.3072

■ 67.2887, 0.2550,
0.3121

■ 71.6443, 0.2681,
0.3168

■ 76.5302, 0.2823,
0.3212

■ 81.9716, 0.2973,
0.3253

Harmonies

Analogous

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



50.4935, 0.2295, 0.3332



50.4935, 0.2115, 0.2814



50.4935, 0.2172, 0.2494

Triad

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



50.4935, 0.2115, 0.2814



50.4935, 0.3516, 0.2772



50.4935, 0.3772, 0.4291

Complementary

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



50.4935, 0.2115, 0.2814



19.9113, 0.6284, 0.3392

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.



50.4935, 0.4155, 0.4017



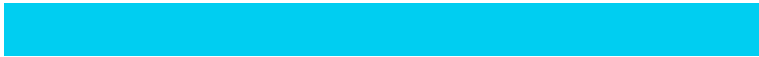
50.4935, 0.2115, 0.2814



50.4935, 0.4019, 0.3161

Square

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



50.4935, 0.2115, 0.2814



50.4935, 0.2936, 0.2499



50.4935, 0.4257, 0.3603



50.4935, 0.3235, 0.4275

Rectangle

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



50.4935, 0.2115, 0.2814



50.4935, 0.2338, 0.2404



50.4935, 0.4257, 0.3603



50.4935, 0.3924, 0.4225

Sweetspot

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



50.4961, 0.2115, 0.2814



81.3737, 0.2680, 0.3168



63.0370, 0.2975, 0.5911



16.9544, 0.2623, 0.3148



0.0000, 0.0000, 0.0000



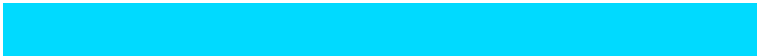
21.4041, 0.3127, 0.3290

Same Dimension

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



50.4961, 0.2115, 0.2814



57.3292, 0.2115, 0.2813



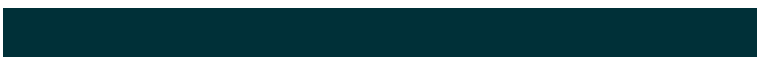
13.3950, 0.1650, 0.1139



17.5144, 0.2981, 0.3255



27.5286, 0.2117, 0.2822



2.3960, 0.2136, 0.2890

Inverse Universe

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



23.1634, 0.3622, 0.1769



26.3186, 0.3623, 0.1770



41.3772, 0.5041, 0.4380



15.9896, 0.3160, 0.3091



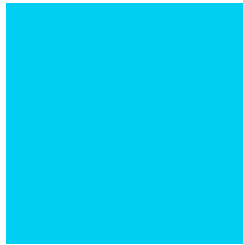
12.5724, 0.3614, 0.1765



1.0566, 0.3552, 0.1731

Previews

White Background



This preview shows how the Yxy color 50.4935, 0.2115, 0.2814 looks on a white background.

Color Contrast Check

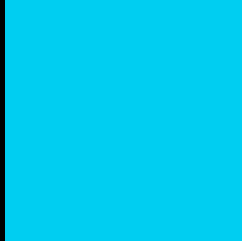
Large Text (above 18pt) WCAG AA × Fail

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 50.4935, 0.2115, 0.2814 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

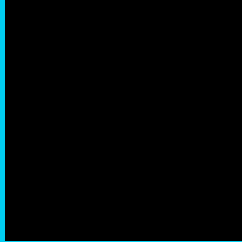
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.4935, 0.2115, 0.2814

Background



This preview shows how black text looks on a background with the Yxy color 50.4935, 0.2115, 0.2814.



This preview shows how white text looks on a background with the Yxy color 50.4935, 0.2115, 0.2814.

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

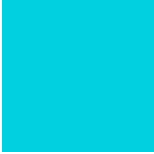
50.4935, 0.2115, 0.2814

Protanopia

49.6539, 0.2777, 0.2789

Deuteranopia

49.8190, 0.2617, 0.2556



Tritanopia

50.4936, 0.2184, 0.3063

Trichromacy



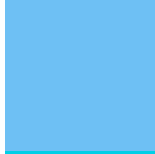
Original Color

50.4935, 0.2115, 0.2814



Protanomaly

47.4202, 0.2366, 0.2784



Deuteranomaly

47.5459, 0.2290, 0.2616



Tritanomaly

50.3388, 0.2158, 0.2968

Monochromacy



Original Color

50.4935, 0.2115, 0.2814



Achromatopsia

29.6138, 0.3127, 0.3290



Achromatomaly

34.1330, 0.2459, 0.3081

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.4935, 0.2115, 0.2814 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(0, 206, 241)` looks like.

```
.text, #text, p{  
  color:rgb(0, 206, 241)  
}
```

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(0, 206, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 206, 241) }
```

Border

The CSS property to change the border of an element to Yxy 50.4935, 0.2115, 0.2814 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(0, 206, 241) }
```

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

```
.border{ border-color:rgb(0, 206, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 206, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 206, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 206, 241);  
box-shadow:4px 4px 4px 4px rgb(0, 206,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 50.4935, 0.2115, 0.2814 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 206, 241) }
```

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

```
.background{ background-color: rgb(0, 206,  
241) }
```

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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