

Converting Colors

$Y_{xy}(47.2106, 0.2113, 0.2805)$

Have a look what the booklet for
Yxy(47.2106, 0.2113, 0.2805)
contains.

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Color

Yxy(47.3132, 0.2112, 0.2802)

Conversions

Conversions Part 1

Format	Color
Hex	01C8EB
RGB	1, 200, 235
RGB Percent	0%, 78%, 92%
CMY	0.9977, 0.2157, 0.0783
CMYK	1.00, 0.15, 0.00, 0.08
HSL	189°, 100%, 46%
HSV	189°, 100%, 92%
XYZ	35.6622, 47.3132, 85.8797
YIQ	144.4890, -129.8390, -31.3030

Conversions

Conversions Part 2

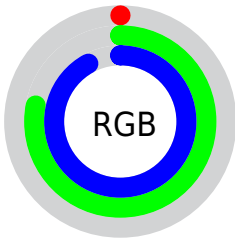
Format	Color
RYB	1, 109, 235
Decimal	116971
CIELab	74.39, -28.98, -28.94
CIELCh	74, 40.960, 224.962
Yxy	47.3132, 0.2112, 0.2802
Android (android.graphics.Color)	4278307051 (0xFF01C8EB)
YUV	144.4890, 44.6219, -125.8399
Hunter-Lab	68.7846, -27.8276, -25.8762

Details

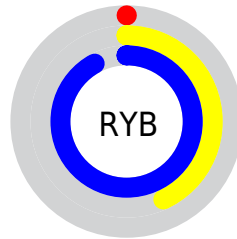
The Yxy color **47.3132, 0.2112, 0.2802** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed cyan. A complement of this color would be **18.9086, 0.6273, 0.3399**, and the grayscale version is **27.9020, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.1195, 0.2417, 0.3288**, and **23.8124, 0.2081, 0.2691** is the 20% darker color. If you saturate the color by 10%, you get **47.2714, 0.2111, 0.2801**, and if you desaturate by 10%, it is **49.1520, 0.2141, 0.2855**.

Distribution



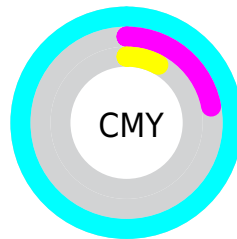
- Red (0%)
- Green (78%)
- Blue (92%)



- Red (0%)
- Yellow (43%)
- Blue (92%)



- Cyan (100%)
- Magenta (15%)
- Yellow (0%)
- Black (8%)





- Cyan (100%)
- Magenta (22%)
- Yellow (8%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 47.3132, 0.2112, 0.2802 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 47.3132, 0.2112, 0.2802 by changing the saturation by 10% instead.


 47.3132, 0.2112,
0.2802


 47.3132, 0.2112,
0.2802


 376.0633, 0.2594,
0.3058


 33.2833, 0.2001,
0.2736


 86.1809, 0.2280,
0.2897


 22.3436, 0.1865,
0.2651


 111.7876, 0.2345,
0.2932


 14.1096, 0.1693,
0.2538


 142.0220, 0.2401,
0.2961

 8.1969, 0.1473,
0.2382

 177.2684, 0.2450,
0.2987

 4.2212, 0.1186,
0.2155

 217.9114, 0.2493,
0.3008

 1.7981, 0.0812,
0.1811

 264.3353, 0.2530,

 0.4860, 0.0000,

0.3027

0.1194

316.9245, 0.2564,
0.3043

■ 0.0000, 0.0000,
0.0000

■ 47.3132, 0.2112,
0.2802

■ 47.3132, 0.2112,
0.2802

■ 47.2714, 0.2111,
0.2801

■ 49.1520, 0.2141,
0.2855

■ 51.2584, 0.2185,
0.2908

■ 53.7042, 0.2249,
0.2962

■ 56.5316, 0.2333,
0.3015

■ 59.7764, 0.2434,
0.3067

■ 63.4698, 0.2553,
0.3118

■ 67.6398, 0.2684,
0.3166

■ 72.3120, 0.2827,
0.3211

■ 77.5103, 0.2977,
0.3253

Harmonies

Analogous

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



47.3132, 0.2286, 0.3317



47.3132, 0.2112, 0.2802



47.3132, 0.2176, 0.2487

Triad

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



47.3132, 0.2112, 0.2802



47.3132, 0.3531, 0.2780



47.3132, 0.3760, 0.4297

Complementary

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



47.3132, 0.2112, 0.2802



18.9086, 0.6273, 0.3399

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.



47.3132, 0.4150, 0.4028



47.3132, 0.2112, 0.2802



47.3132, 0.4030, 0.3172

Square

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



47.3132, 0.2112, 0.2802



47.3132, 0.2950, 0.2503



47.3132, 0.4261, 0.3615



47.3132, 0.3220, 0.4271

Rectangle

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



47.3132, 0.2112, 0.2802



47.3132, 0.2345, 0.2401



47.3132, 0.4261, 0.3615



47.3132, 0.3914, 0.4232

Sweetspot

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



47.3149, 0.2112, 0.2802



81.1864, 0.2679, 0.3164



59.5469, 0.2975, 0.5907



16.9090, 0.2622, 0.3144



0.0000, 0.0000, 0.0000



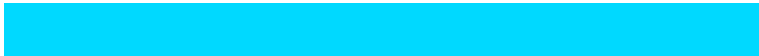
21.4041, 0.3127, 0.3290

Same Dimension

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



47.3149, 0.2112, 0.2802



56.7920, 0.2111, 0.2798



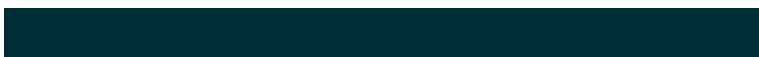
12.7472, 0.1652, 0.1146



16.7160, 0.2981, 0.3254



26.4481, 0.2114, 0.2809



2.1810, 0.2134, 0.2882

Inverse Universe

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



21.8519, 0.3633, 0.1776



26.2643, 0.3636, 0.1777



39.1873, 0.5036, 0.4382



15.2728, 0.3161, 0.3092



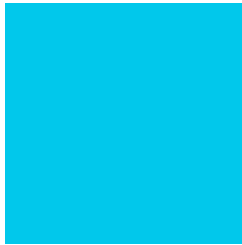
12.1628, 0.3626, 0.1771



0.9656, 0.3559, 0.1734

Previews

White Background



This preview shows how the Yxy color 47.3132, 0.2112, 0.2802 looks on a white background.

Color Contrast Check

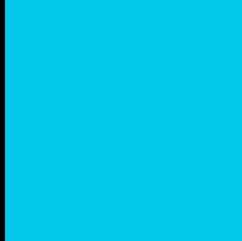
Large Text (above 18pt) WCAG AA × Fail

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 47.3132, 0.2112, 0.2802 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

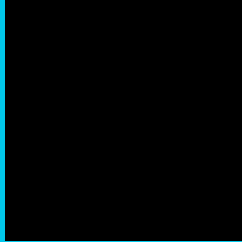
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.3132, 0.2112, 0.2802

Background



This preview shows how black text looks on a background with the Yxy color 47.3132, 0.2112, 0.2802.



This preview shows how white text looks on a background with the Yxy color 47.3132, 0.2112, 0.2802.

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

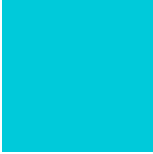
47.3132, 0.2112, 0.2802

Protanopia

46.6336, 0.2761, 0.2776

Deuteranopia

46.7470, 0.2604, 0.2548



Tritanopia

47.3030, 0.2182, 0.3057

Trichromacy



Original Color

47.3132, 0.2112, 0.2802



Protanomaly

44.3466, 0.2359, 0.2758



Deuteranomaly

44.7779, 0.2284, 0.2613



Tritanomaly

47.1551, 0.2156, 0.2960

Monochromacy



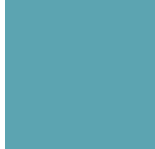
Original Color

47.3132, 0.2112, 0.2802



Achromatopsia

27.8894, 0.3127, 0.3290



Achromatomaly

32.0006, 0.2463, 0.3076

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.3132, 0.2112, 0.2802 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(1, 200, 235)` looks like.

```
.text, #text, p{  
    color:rgb(1, 200, 235)  
}
```

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(1, 200, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 200, 235) }
```

Border

The CSS property to change the border of an element to Yxy 47.3132, 0.2112, 0.2802 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(1, 200, 235) }
```

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

```
.border{ border-color:rgb(1, 200, 235) }
```

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

Here you see how a box with a 4 pixel rgb(1, 200, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 200, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 200, 235);  
box-shadow:4px 4px 4px 4px rgb(1, 200,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 47.3132, 0.2112, 0.2802 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 200, 235) }
```

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

```
.background{ background-color: rgb(1, 200,  
235) }
```

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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