

Converting Colors

$Yxy(46.7646, 0.2129, 0.2865)$

Have a look what the booklet for
Yxy(46.7646, 0.2129, 0.2865)
contains.

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Color

Yxy(47.0217, 0.2130, 0.2866)

Conversions

Conversions Part 1

Format	Color
Hex	01C8E6
RGB	1, 200, 230
RGB Percent	0%, 78%, 90%
CMY	0.9960, 0.2157, 0.0980
CMYK	1.00, 0.13, 0.00, 0.10
HSL	188°, 99%, 45%
HSV	188°, 100%, 90%
XYZ	34.9463, 47.0217, 82.0993
YIQ	143.9190, -128.2340, -32.8580

Conversions

Conversions Part 2

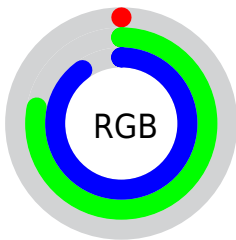
Format	Color
RYB	1, 107, 230
Decimal	116966
CIELab	74.20, -30.61, -26.51
CIELCh	74, 40.495, 220.897
Yxy	47.0217, 0.2130, 0.2866
Android (android.graphics.Color)	4278307046 (0xFF01C8E6)
YUV	143.9190, 42.4379, -125.3400
Hunter-Lab	68.5724, -29.0332, -22.9852

Details

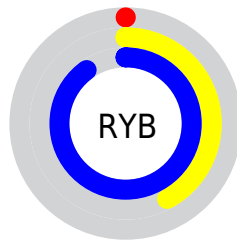
The Yxy color **47.0217, 0.2130, 0.2866** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed cyan. A complement of this color would be **17.8072, 0.6292, 0.3382**, and the grayscale version is **27.7190, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.0550, 0.2414, 0.3288**, and **23.6138, 0.2103, 0.2772** is the 20% darker color. If you saturate the color by 10%, you get **46.9556, 0.2129, 0.2864**, and if you desaturate by 10%, it is **48.6214, 0.2157, 0.2912**.

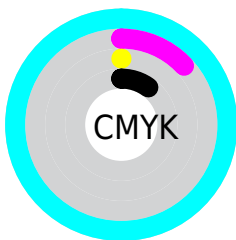
Distribution



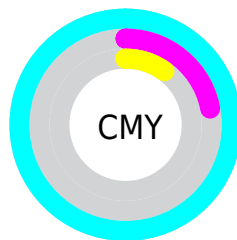
- Red (0%)
- Green (78%)
- Blue (90%)



- Red (0%)
- Yellow (42%)
- Blue (90%)



- Cyan (100%)
- Magenta (13%)
- Yellow (0%)
- Black (10%)





- Cyan (100%)
- Magenta (22%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.0217, 0.2130, 0.2866 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 47.0217, 0.2130, 0.2866 by changing the saturation by 10% instead.


 47.0217, 0.2130,
0.2866

 47.0217, 0.2130,
0.2866


374.9011, 0.2605,
0.3092


 33.0528, 0.2020,
0.2807


 85.7460, 0.2296,
0.2950

 22.1669, 0.1884,
0.2730


 111.2702, 0.2361,
0.2981


 13.9796, 0.1713,
0.2627


 141.4150, 0.2416,
0.3007

 8.1065, 0.1493,
0.2482

 176.5647, 0.2464,
0.3029

 4.1632, 0.1204,
0.2269

 217.1038, 0.2505,
0.3048

 1.7652, 0.0820,
0.1936

263.4167, 0.2542,

 0.4654, 0.0000,

0.3065

0.1290

315.8876, 0.2575,
0.3079

■ 0.0000, 0.0000,
0.0000

■ 47.0217, 0.2130,
0.2866

■ 47.0217, 0.2130,
0.2866

■ 46.9556, 0.2129,
0.2864

■ 48.6214, 0.2157,
0.2912

■ 50.4695, 0.2200,
0.2958

■ 52.6332, 0.2261,
0.3004

■ 55.1521, 0.2343,
0.3051

■ 58.0601, 0.2443,
0.3096

■ 61.3865, 0.2559,
0.3140

■ 65.1578, 0.2689,
0.3182

■ 69.3982, 0.2831,
0.3221

■ 74.1301, 0.2980,
0.3258

Harmonies

Analogous

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



47.0217, 0.2335, 0.3395



47.0217, 0.2130, 0.2866



47.0217, 0.2161, 0.2523

Triad

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



47.0217, 0.2130, 0.2866



47.0217, 0.3450, 0.2739



47.0217, 0.3819, 0.4265

Complementary

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



47.0217, 0.2130, 0.2866



17.8072, 0.6292, 0.3382

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.



47.0217, 0.4175, 0.3972



47.0217, 0.2130, 0.2866



47.0217, 0.3967, 0.3116

Square

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



47.0217, 0.2130, 0.2866



47.0217, 0.2878, 0.2484



47.0217, 0.4239, 0.3553



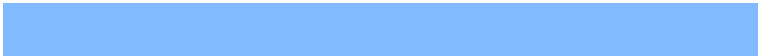
47.0217, 0.3296, 0.4286

Rectangle

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



47.0217, 0.2130, 0.2866



47.0217, 0.2310, 0.2418



47.0217, 0.4239, 0.3553



47.0217, 0.3963, 0.4190

Sweetspot

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



47.0234, 0.2130, 0.2866



82.0326, 0.2681, 0.3180



56.6850, 0.2979, 0.5922



17.1139, 0.2625, 0.3162



0.0000, 0.0000, 0.0000



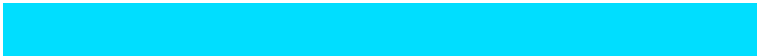
21.4041, 0.3127, 0.3290

Same Dimension

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



47.0234, 0.2130, 0.2866



59.2377, 0.2128, 0.2862



12.8300, 0.1667, 0.1198



15.9971, 0.2982, 0.3258



26.7116, 0.2131, 0.2871



2.0640, 0.2150, 0.2938

Inverse Universe

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



21.0152, 0.3574, 0.1744



26.5112, 0.3578, 0.1745



36.2383, 0.5079, 0.4346



14.5810, 0.3158, 0.3088



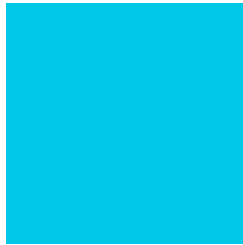
11.8943, 0.3569, 0.1740



0.8880, 0.3509, 0.1707

Previews

White Background



This preview shows how the Yxy color 47.0217, 0.2130, 0.2866 looks on a white background.

Color Contrast Check

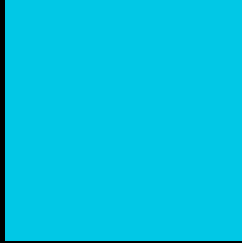
Large Text (above 18pt) WCAG AA × Fail

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 47.0217, 0.2130, 0.2866 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

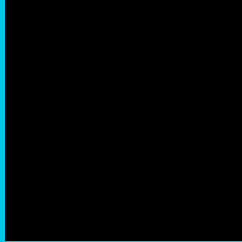
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.0217, 0.2130, 0.2866

Background



This preview shows how black text looks on a background with the Yxy color 47.0217, 0.2130, 0.2866.



This preview shows how white text looks on a background with the Yxy color 47.0217, 0.2130, 0.2866.

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

47.0282, 0.2130, 0.2866

Protanopia

46.1967, 0.2809, 0.2823

Deuteranopia

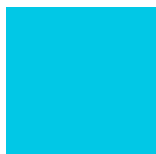
46.3850, 0.2654, 0.2592



Tritanopia

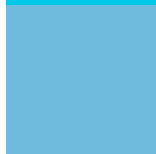
46.8352, 0.2178, 0.3042

Trichromacy



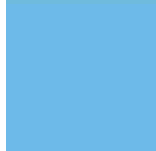
Original Color

47.0282, 0.2130, 0.2866



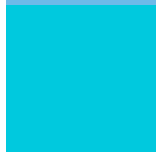
Protanomaly

44.1406, 0.2389, 0.2821



Deuteranomaly

44.2522, 0.2318, 0.2659



Tritanomaly

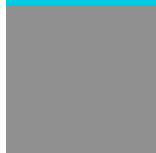
47.0472, 0.2163, 0.2987

Monochromacy



Original Color

47.0282, 0.2130, 0.2866



Achromatopsia

27.8894, 0.3127, 0.3290



Achromatomaly

31.9214, 0.2475, 0.3107

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.0217, 0.2130, 0.2866 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, 230)` looks like.

```
.text, #text, p{  
    color:rgb(1, 200, 230)  
}
```

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, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 200, 230) }
```

Border

The CSS property to change the border of an element to Yxy 47.0217, 0.2130, 0.2866 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, 230) }
```

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

```
.border{ border-color:rgb(1, 200, 230) }
```

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, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 200, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 200, 230);  
box-shadow:4px 4px 4px 4px rgb(1, 200,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 47.0217, 0.2130, 0.2866 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, 230) }
```

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

```
.background{ background-color: rgb(1, 200,  
230) }
```

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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