

Converting Colors

$Yxy(47.7886, 0.2095, 0.2700)$

Have a look what the booklet for
Yxy(47.7886, 0.2095, 0.2700)
contains.

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Color

Yxy(47.9390, 0.2096, 0.2706)

Conversions

Conversions Part 1

Format	Color
Hex	15C8F3
RGB	21, 200, 243
RGB Percent	8%, 78%, 95%
CMY	0.9196, 0.2156, 0.0471
CMYK	0.92, 0.18, 0.00, 0.05
HSL	192°, 90%, 52%
HSV	192°, 92%, 95%
XYZ	37.1324, 47.9390, 92.0868
YIQ	151.3810, -120.4870, -24.5750

Conversions

Conversions Part 2

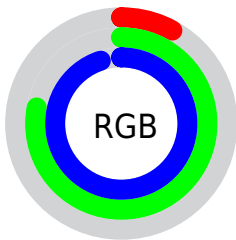
Format	Color
R _Y B	21, 120, 243
Decimal	1427699
CIE Lab	74.79, -25.80, -32.61
CIE LCh	75, 41.583, 231.645
Yxy	47.9390, 0.2096, 0.2706
Android (android.graphics.Color)	4279617779 (0xFF15C8F3)
YUV	151.3810, 45.1682, -114.3441
Hunter-Lab	69.2380, -25.4369, -30.3893

Details

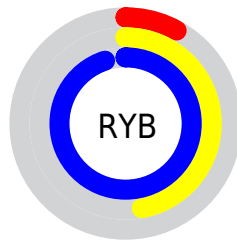
The Yxy color **47.9390, 0.2096, 0.2706** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **22.7158, 0.6018, 0.3515**, and the grayscale version is **30.8977, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.4530, 0.2433, 0.3288**, and **24.1456, 0.2047, 0.2567** is the 20% darker color. If you saturate the color by 10%, you get **45.9751, 0.2069, 0.2647**, and if you desaturate by 10%, it is **50.5483, 0.2143, 0.2777**.

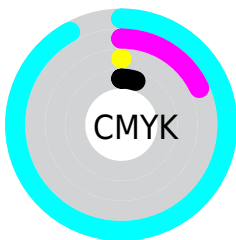
Distribution



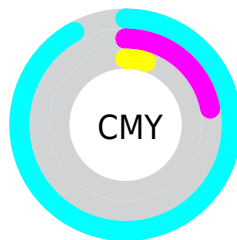
- Red (8%)
- Green (78%)
- Blue (95%)



- Red (8%)
- Yellow (47%)
- Blue (95%)



- Cyan (92%)
- Magenta (18%)
- Yellow (0%)
- Black (5%)





- Cyan (92%)
- Magenta (22%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.9390, 0.2096, 0.2706 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 47.9390, 0.2096, 0.2706 by changing the saturation by 10% instead.


 47.9390, 0.2096,
0.2706


 47.9390, 0.2096,
0.2706


378.5503, 0.2583,
0.3006

 33.7786, 0.1985,
0.2631


 87.1136, 0.2265,
0.2816

 22.7236, 0.1848,
0.2535


 112.8965, 0.2331,
0.2857

 14.3895, 0.1678,
0.2409


 143.3224, 0.2388,
0.2891

 8.3921, 0.1461,
0.2239

 178.7757, 0.2437,
0.2921

 4.3468, 0.1180,
0.1998

 219.6407, 0.2480,
0.2947

 1.8694, 0.0818,
0.1645

266.3019, 0.2518,

 0.5299, 0.0000,

0.2969

0.1083

319.1436, 0.2552,
0.2989

■ 0.0000, 0.0000,
0.0000

■ 47.9390, 0.2096,
0.2706

■ 47.9390, 0.2096,
0.2706

■ 45.9751, 0.2069,
0.2647

■ 50.5483, 0.2143,
0.2777

■ 53.5394, 0.2209,
0.2848

■ 56.9622, 0.2295,
0.2918

■ 60.8567, 0.2400,
0.2988

■ 65.2581, 0.2520,
0.3054

■ 70.1974, 0.2654,
0.3118

■ 75.7034, 0.2798,
0.3177

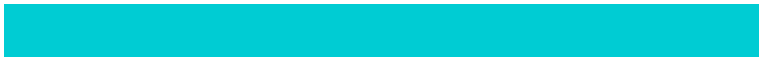
■ 81.8023, 0.2949,
0.3232

■ 88.5187, 0.3103,
0.3283

Harmonies

Analogous

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



47.9390, 0.2218, 0.3188



47.9390, 0.2096, 0.2706



47.9390, 0.2213, 0.2439

Triad

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



47.9390, 0.2096, 0.2706



47.9390, 0.3663, 0.2855



47.9390, 0.3653, 0.4333

Complementary

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



47.9390, 0.2096, 0.2706



22.7158, 0.6018, 0.3515

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.



47.9390, 0.4093, 0.4113



47.9390, 0.2096, 0.2706



47.9390, 0.4120, 0.3268

Square

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



47.9390, 0.2096, 0.2706



47.9390, 0.3075, 0.2545



47.9390, 0.4277, 0.3716



47.9390, 0.3094, 0.4226

Rectangle

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



47.9390, 0.2096, 0.2706



47.9390, 0.2416, 0.2385



47.9390, 0.4277, 0.3716



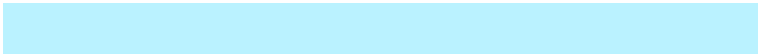
47.9390, 0.3820, 0.4289

Sweetspot

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



47.9407, 0.2096, 0.2706



81.0033, 0.2718, 0.3145



64.5936, 0.2939, 0.5718



16.8985, 0.2669, 0.3124



0.0000, 0.0000, 0.0000



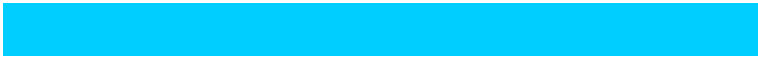
21.4041, 0.3127, 0.3290

Same Dimension

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



47.9407, 0.2096, 0.2706



51.2366, 0.2068, 0.2645



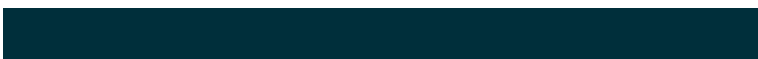
14.1006, 0.1674, 0.1168



18.1818, 0.2980, 0.3243



25.4246, 0.2072, 0.2658



2.3708, 0.2096, 0.2746

Inverse Universe

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



23.7434, 0.3719, 0.1853



25.7035, 0.3780, 0.1856



48.8181, 0.4804, 0.4514



16.7102, 0.3168, 0.3101



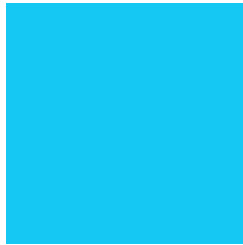
12.6660, 0.3768, 0.1849



1.1270, 0.3685, 0.1803

Previews

White Background



This preview shows how the Yxy color 47.9390, 0.2096, 0.2706 looks on a white background.

Color Contrast Check

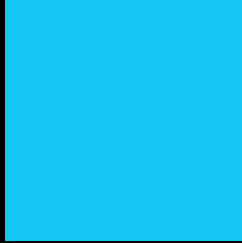
Large Text (above 18pt) WCAG AA × Fail

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 47.9390, 0.2096, 0.2706 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 47.9390, 0.2096, 0.2706

Background



This preview shows how black text looks on a background with the Yxy color 47.9390, 0.2096, 0.2706.

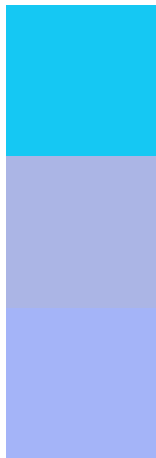


This preview shows how white text looks on a background with the Yxy color 47.9390, 0.2096, 0.2706.

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

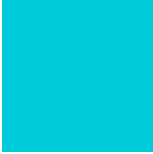
47.9390, 0.2096, 0.2706

Protanopia

47.3628, 0.2703, 0.2697

Deuteranopia

47.3123, 0.2540, 0.2474



Tritanopia

47.8263, 0.2183, 0.3058

Trichromacy



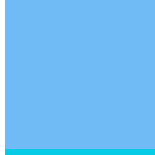
Original Color

47.9390, 0.2096, 0.2706



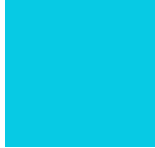
Protanomaly

45.6200, 0.2352, 0.2680



Deuteranomaly

45.6392, 0.2276, 0.2528



Tritanomaly

47.8877, 0.2149, 0.2922

Monochromacy



Original Color

47.9390, 0.2096, 0.2706



Achromatopsia

30.9469, 0.3127, 0.3290



Achromatomaly

34.7797, 0.2507, 0.3054

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.9390, 0.2096, 0.2706 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, 200, 243)` looks like.

```
.text, #text, p{  
    color:rgb(21, 200, 243)  
}
```

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, 200, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 200, 243) }
```

Border

The CSS property to change the border of an element to Yxy 47.9390, 0.2096, 0.2706 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, 200, 243) }
```

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

```
.border{ border-color:rgb(21, 200, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 200, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 200, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 200, 243);  
box-shadow:4px 4px 4px 4px rgb(21, 200,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 47.9390, 0.2096, 0.2706 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 200, 243) }
```

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

```
.background{ background-color: rgb(21, 200,  
243) }
```

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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