

Converting Colors

$Yxy(47.7128, 0.2057, 0.2586)$

Have a look what the booklet for
Yxy(47.7128, 0.2057, 0.2586)
contains.

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Color

Yxy(47.8900, 0.2060, 0.2597)

Conversions

Conversions Part 1

Format	Color
Hex	0CC7FB
RGB	12, 199, 251
RGB Percent	5%, 78%, 98%
CMY	0.9539, 0.2196, 0.0156
CMYK	0.95, 0.21, 0.00, 0.02
HSL	193°, 97%, 52%
HSV	193°, 95%, 98%
XYZ	37.9874, 47.8900, 98.5276
YIQ	149.0150, -128.1440, -23.4720

Conversions

Conversions Part 2

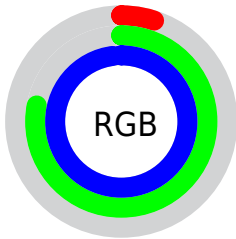
Format	Color
R _Y B	12, 117, 251
Decimal	837627
CIE Lab	74.76, -22.89, -36.97
CIE LCh	75, 43.482, 238.243
Yxy	47.8900, 0.2060, 0.2597
Android (android.graphics.Color)	4279027707 (0xFF0CC7FB)
YUV	149.0150, 50.2786, -120.1622
Hunter-Lab	69.2026, -23.1204, -35.9727

Details

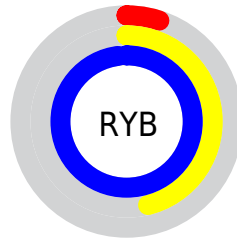
The Yxy color **47.8900, 0.2060, 0.2597** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **24.1824, 0.6069, 0.3521**, and the grayscale version is **29.8576, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3848, 0.2430, 0.3288**, and **24.1458, 0.2013, 0.2447** is the 20% darker color. If you saturate the color by 10%, you get **46.6479, 0.2044, 0.2560**, and if you desaturate by 10%, it is **50.7630, 0.2103, 0.2677**.

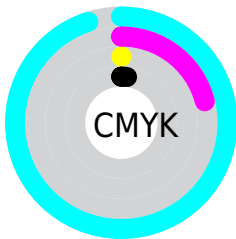
Distribution



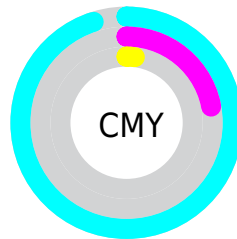
- Red (5%)
- Green (78%)
- Blue (98%)



- Red (5%)
- Yellow (46%)
- Blue (98%)



- Cyan (95%)
- Magenta (21%)
- Yellow (0%)
- Black (2%)



- Cyan (95%)
- Magenta (22%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.8900, 0.2060, 0.2597 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 47.8900, 0.2060, 0.2597 by changing the saturation by 10% instead.


 47.8900, 0.2060,
0.2597


 47.8900, 0.2060,
0.2597

378.3559, 0.2561,
0.2947

 33.7398, 0.1946,
0.2511


 87.0406, 0.2234,
0.2723

 22.6938, 0.1807,
0.2403


 112.8098, 0.2302,
0.2771


 14.3676, 0.1635,
0.2263


 143.2207, 0.2360,
0.2812

 8.3767, 0.1417,
0.2076

 178.6579, 0.2411,
0.2847

 4.3370, 0.1138,
0.1820

 219.5055, 0.2455,
0.2877

 1.8638, 0.0785,
0.1457

266.1482, 0.2495,

 0.5265, 0.0000,

0.2903

0.0913

318.9702, 0.2530,
0.2926

■ 0.0000, 0.0000,
0.0000

■ 47.8900, 0.2060,
0.2597

■ 47.8900, 0.2060,
0.2597

■ 46.6479, 0.2044,
0.2560

■ 50.7630, 0.2103,
0.2677

■ 54.0432, 0.2165,
0.2758

■ 57.7896, 0.2247,
0.2839

■ 62.0488, 0.2349,
0.2918

■ 66.8607, 0.2467,
0.2995

■ 72.2609, 0.2598,
0.3069

■ 78.2817, 0.2741,
0.3138

■ 84.9526, 0.2891,
0.3202

■ 92.3011, 0.3045,
0.3261

Harmonies

Analogous

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



47.8900, 0.2130, 0.3053



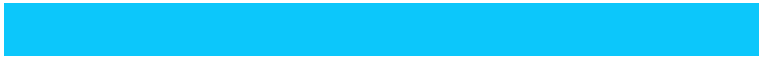
47.8900, 0.2060, 0.2597



47.8900, 0.2233, 0.2374

Triad

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



47.8900, 0.2060, 0.2597



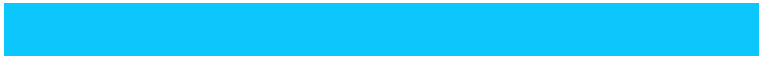
47.8900, 0.3811, 0.2923



47.8900, 0.3549, 0.4391

Complementary

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



47.8900, 0.2060, 0.2597



24.1824, 0.6069, 0.3521

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.



47.8900, 0.4051, 0.4219



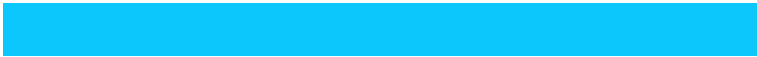
47.8900, 0.2060, 0.2597



47.8900, 0.4234, 0.3366

Square

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



47.8900, 0.2060, 0.2597



47.8900, 0.3207, 0.2573



47.8900, 0.4315, 0.3828



47.8900, 0.2961, 0.4196

Rectangle

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



47.8900, 0.2060, 0.2597



47.8900, 0.2477, 0.2352



47.8900, 0.4315, 0.3828



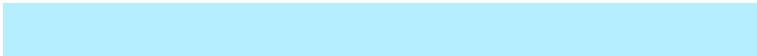
47.8900, 0.3734, 0.4369

Sweetspot

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



47.8917, 0.2060, 0.2597



78.7369, 0.2687, 0.3113



69.4518, 0.2931, 0.5724



16.2879, 0.2626, 0.3083



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.



47.8917, 0.2060, 0.2597



48.3236, 0.2044, 0.2559



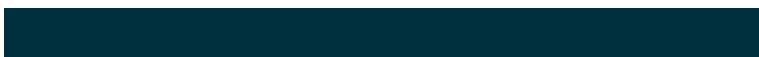
12.7155, 0.1622, 0.1011



18.9305, 0.2980, 0.3237



24.7382, 0.2048, 0.2573



2.4443, 0.2075, 0.2669

Inverse Universe

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



24.8948, 0.3825, 0.1896



25.4094, 0.3864, 0.1902



54.5035, 0.4768, 0.4572



17.4562, 0.3171, 0.3106



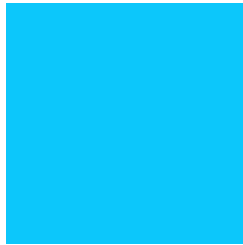
12.9082, 0.3850, 0.1895



1.2110, 0.3758, 0.1844

Previews

White Background



This preview shows how the Yxy color 47.8900, 0.2060, 0.2597 looks on a white background.

Color Contrast Check

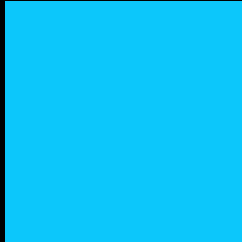
Large Text (above 18pt) WCAG AA × Fail

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 47.8900, 0.2060, 0.2597 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

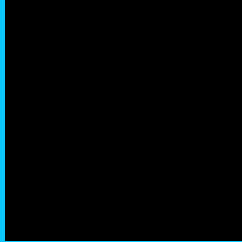
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.8900, 0.2060, 0.2597

Background



This preview shows how black text looks on a background with the Yxy color 47.8900, 0.2060, 0.2597.



This preview shows how white text looks on a background with the Yxy color 47.8900, 0.2060, 0.2597.

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

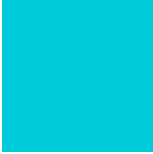
47.8900, 0.2060, 0.2597

Protanopia

46.9724, 0.2624, 0.2592

Deuteranopia

47.1316, 0.2464, 0.2395



Tritanopia

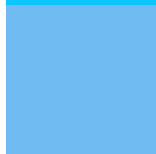
47.8263, 0.2183, 0.3058

Trichromacy



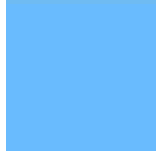
Original Color

47.8900, 0.2060, 0.2597



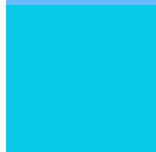
Protanomaly

45.3310, 0.2289, 0.2571



Deuteranomaly

45.6997, 0.2212, 0.2436



Tritanomaly

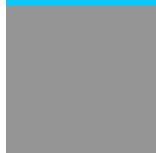
48.0364, 0.2136, 0.2883

Monochromacy



Original Color

47.8900, 0.2060, 0.2597



Achromatopsia

30.0544, 0.3127, 0.3290



Achromatomaly

33.8353, 0.2459, 0.2989

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.8900, 0.2060, 0.2597 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(12, 199, 251)` looks like.

```
.text, #text, p{  
    color:rgb(12, 199, 251)  
}
```

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(12, 199, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 199, 251) }
```

Border

The CSS property to change the border of an element to Yxy 47.8900, 0.2060, 0.2597 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(12, 199, 251) }
```

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

```
.border{ border-color:rgb(12, 199, 251) }
```

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

Here you see how a box with a 4 pixel rgb(12, 199, 251) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 199, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 199, 251);  
box-shadow:4px 4px 4px 4px rgb(12, 199,  
251) }
```


Background

The CSS property to change the background color of an element to Yxy 47.8900, 0.2060, 0.2597 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 199, 251) }
```

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

```
.background{ background-color: rgb(12, 199,  
251) }
```

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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