

Converting Colors

$Y_{xy}(48.9620, 0.2100, 0.2737)$

Have a look what the booklet for
Yxy(48.9620, 0.2100, 0.2737)
contains.

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Color

Yxy(48.8055, 0.2099, 0.2734)

Conversions

Conversions Part 1

Format	Color
Hex	0DCAF3
RGB	13, 202, 243
RGB Percent	5%, 79%, 95%
CMY	0.9480, 0.2078, 0.0471
CMYK	0.95, 0.17, 0.00, 0.05
HSL	191°, 91%, 50%
HSV	191°, 95%, 95%
XYZ	37.4699, 48.8055, 92.2378
YIQ	150.1630, -125.8050, -27.3170

Conversions

Conversions Part 2

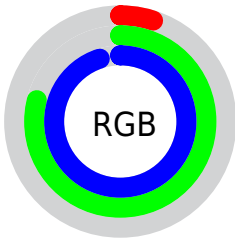
Format	Color
RYB	13, 117, 243
Decimal	903923
CIELab	75.33, -27.04, -31.77
CIELCh	75, 41.724, 229.599
Yxy	48.8055, 0.2099, 0.2734
Android (android.graphics.Color)	4279094003 (0xFF0DCAF3)
YUV	150.1630, 45.7686, -120.2920
Hunter-Lab	69.8609, -26.5182, -29.3782

Details

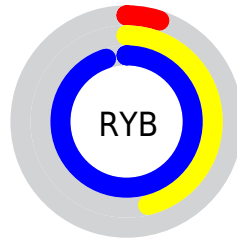
The Yxy color **48.8055, 0.2099, 0.2734** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **21.7442, 0.6121, 0.3469**, and the grayscale version is **30.4516, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3174, 0.2426, 0.3288**, and **24.7677, 0.2057, 0.2605** is the 20% darker color. If you saturate the color by 10%, you get **47.6190, 0.2083, 0.2699**, and if you desaturate by 10%, it is **51.1863, 0.2139, 0.2798**.

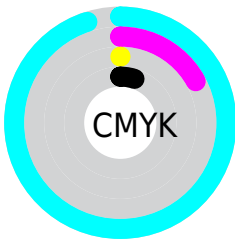
Distribution



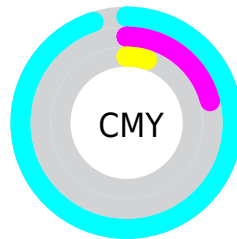
- Red (5%)
- Green (79%)
- Blue (95%)



- Red (5%)
- Yellow (46%)
- Blue (95%)



- Cyan (95%)
- Magenta (17%)
- Yellow (0%)
- Black (5%)





- Cyan (95%)
- Magenta (21%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.8055, 0.2099, 0.2734 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 48.8055, 0.2099, 0.2734 by changing the saturation by 10% instead.


 48.8055, 0.2099,
0.2734


 48.8055, 0.2099,
0.2734


381.9761, 0.2583,
0.3020


 34.4652, 0.1989,
0.2662


 88.4025, 0.2267,
0.2839


 23.2512, 0.1853,
0.2570


 114.4280, 0.2333,
0.2878

 14.7791, 0.1684,
0.2450


 145.1174, 0.2389,
0.2911

 8.6645, 0.1469,
0.2285

 180.8550, 0.2438,
0.2939

 4.5230, 0.1191,
0.2053

 222.0253, 0.2481,
0.2964

 1.9702, 0.0831,
0.1710

269.0127, 0.2519,

 0.5901, 0.0000,

0.2985

0.1186

322.2015, 0.2553,
0.3004

■ 0.0000, 0.0000,
0.0000

■ 48.8055, 0.2099,
0.2734

■ 48.8055, 0.2099,
0.2734

■ 47.6190, 0.2083,
0.2699

■ 51.1863, 0.2139,
0.2798

■ 53.9227, 0.2197,
0.2863

■ 57.0677, 0.2275,
0.2928

■ 60.6632, 0.2372,
0.2992

■ 64.7456, 0.2486,
0.3055

■ 69.3469, 0.2615,
0.3114

■ 74.4964, 0.2755,
0.3170

■ 80.2209, 0.2903,
0.3222

■ 86.5452, 0.3057,
0.3270

Harmonies

Analogous

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



48.8055, 0.2237, 0.3227



48.8055, 0.2099, 0.2734



48.8055, 0.2199, 0.2452

Triad

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



48.8055, 0.2099, 0.2734



48.8055, 0.3623, 0.2831



48.8055, 0.3687, 0.4324

Complementary

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



48.8055, 0.2099, 0.2734



21.7442, 0.6121, 0.3469

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.



48.8055, 0.4113, 0.4088



48.8055, 0.2099, 0.2734



48.8055, 0.4095, 0.3238

Square

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



48.8055, 0.2099, 0.2734



48.8055, 0.3036, 0.2531



48.8055, 0.4275, 0.3685



48.8055, 0.3133, 0.4243

Rectangle

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



48.8055, 0.2099, 0.2734



48.8055, 0.2393, 0.2389



48.8055, 0.4275, 0.3685



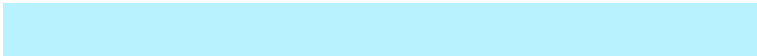
48.8055, 0.3850, 0.4274

Sweetspot

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



48.8072, 0.2099, 0.2734



81.0224, 0.2705, 0.3151



64.4318, 0.2953, 0.5796



16.8141, 0.2644, 0.3126



0.0000, 0.0000, 0.0000



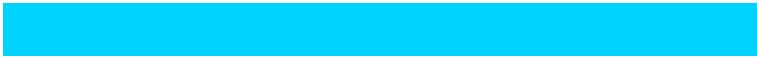
21.4041, 0.3127, 0.3290

Same Dimension

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



48.8072, 0.2099, 0.2734



53.0732, 0.2083, 0.2698



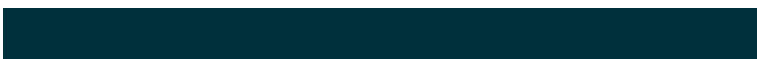
13.8426, 0.1662, 0.1151



18.2255, 0.2980, 0.3247



26.3159, 0.2086, 0.2709



2.4415, 0.2108, 0.2790

Inverse Universe

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



23.6138, 0.3694, 0.1826



25.8889, 0.3730, 0.1829



46.5081, 0.4882, 0.4474



16.7146, 0.3165, 0.3098



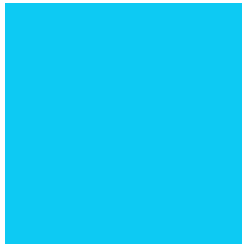
12.7560, 0.3719, 0.1823



1.1341, 0.3644, 0.1781

Previews

White Background



This preview shows how the Yxy color 48.8055, 0.2099, 0.2734 looks on a white background.

Color Contrast Check

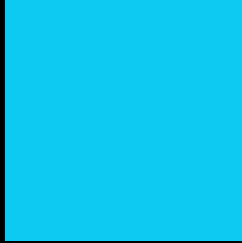
Large Text (above 18pt) WCAG AA × Fail

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 48.8055, 0.2099, 0.2734 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

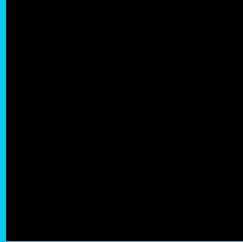
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.8055, 0.2099, 0.2734

Background



This preview shows how black text looks on a background with the Yxy color 48.8055, 0.2099, 0.2734.



This preview shows how white text looks on a background with the Yxy color 48.8055, 0.2099, 0.2734.

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

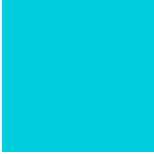
48.7977, 0.2099, 0.2734

Protanopia

47.9973, 0.2718, 0.2712

Deuteranopia

47.9320, 0.2554, 0.2489



Tritanopia

48.8831, 0.2183, 0.3060

Trichromacy



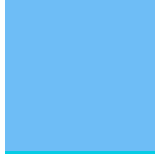
Original Color

48.7977, 0.2099, 0.2734



Protanomaly

45.9805, 0.2350, 0.2694



Deuteranomaly

46.3640, 0.2272, 0.2553



Tritanomaly

48.8751, 0.2152, 0.2938

Monochromacy



Original Color

48.7977, 0.2099, 0.2734



Achromatopsia

30.4987, 0.3127, 0.3290



Achromatomaly

34.5460, 0.2482, 0.3052

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.8055, 0.2099, 0.2734 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(13, 202, 243)` looks like.

```
.text, #text, p{  
    color:rgb(13, 202, 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(13, 202, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 202, 243) }
```

Border

The CSS property to change the border of an element to Yxy 48.8055, 0.2099, 0.2734 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(13, 202, 243) }
```

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

```
.border{ border-color:rgb(13, 202, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(13, 202, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 202, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 202, 243);  
box-shadow:4px 4px 4px 4px rgb(13, 202,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 48.8055, 0.2099, 0.2734 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 202, 243) }
```

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

```
.background{ background-color: rgb(13, 202,  
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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