

Converting Colors

$Yxy(40.0353, 0.1419, 0.3093)$

Have a look what the booklet for
Yxy(40.0353, 0.1419, 0.3093)
contains.

Yxy(48.0920, 0.2202, 0.3128)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(48.0920, 0.2202, 0.3128)

Conversions

Conversions Part 1

Format	Color
Hex	00CCD7
RGB	0, 204, 215
RGB Percent	0%, 80%, 84%
CMY	1.0000, 0.2000, 0.1568
CMYK	1.00, 0.05, 0.00, 0.16
HSL	183°, 100%, 42%
HSV	183°, 100%, 84%
XYZ	33.8550, 48.0920, 71.7998
YIQ	144.2580, -125.1150, -39.8270

Conversions

Conversions Part 2

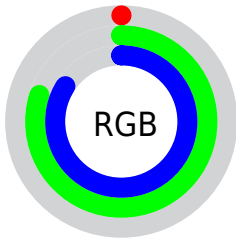
Format	Color
RYB	0, 105, 215
Decimal	52439
CIELab	74.88, -37.31, -17.39
CIELCh	75, 41.158, 204.988
Yxy	48.0920, 0.2202, 0.3128
Android (android.graphics.Color)	4278242519 (0xFF00CCD7)
YUV	144.2580, 34.8758, -126.5143
Hunter-Lab	69.3484, -34.2182, -12.8419

Details

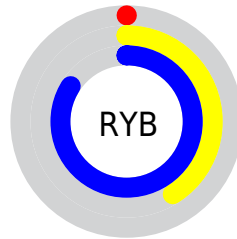
The Yxy color **48.0920, 0.2202, 0.3128** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **14.6894, 0.6370, 0.3324**, and the grayscale version is **27.8967, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.9281, 0.2408, 0.3288**, and **24.0330, 0.2188, 0.3076** is the 20% darker color. If you saturate the color by 10%, you get **48.0971, 0.2202, 0.3128**, and if you desaturate by 10%, it is **48.7873, 0.2220, 0.3145**.

Distribution



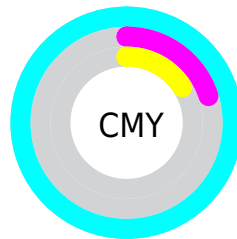
- Red (0%)
- Green (80%)
- Blue (84%)



- Red (0%)
- Yellow (41%)
- Blue (84%)



- Cyan (100%)
- Magenta (5%)
- Yellow (0%)
- Black (16%)




- Cyan (100%)
- Magenta (20%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.0920, 0.2202, 0.3128 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 48.0920, 0.2202, 0.3128 by changing the saturation by 10% instead.


 48.0920, 0.2202,
0.3128


 48.0920, 0.2202,
0.3128


379.1567, 0.2645,
0.3224


 33.8997, 0.2098,
0.3100


 87.3414, 0.2358,
0.3166


 22.8166, 0.1969,
0.3062


 113.1673, 0.2418,
0.3179


 14.4581, 0.1805,
0.3008


 143.6399, 0.2470,
0.3190

 8.4400, 0.1590,
0.2927

 179.1435, 0.2514,
0.3199

 4.3778, 0.1302,
0.2797

 220.0626, 0.2553,
0.3207

 1.8870, 0.0893,
0.2571

266.7816, 0.2587,

 0.5406, 0.0000,

0.3214

0.2070

319.6848, 0.2618,
0.3219

■ 0.0000, 0.0000,
0.0000

■ 48.0920, 0.2202,
0.3128

■ 48.0920, 0.2202,
0.3128

■ 48.0971, 0.2202,
0.3128

■ 48.7873, 0.2220,
0.3145

■ 49.6650, 0.2253,
0.3162

■ 50.7910, 0.2304,
0.3179

■ 52.1992, 0.2374,
0.3197

■ 53.9180, 0.2463,
0.3214

■ 55.9724, 0.2570,
0.3231

■ 58.3848, 0.2692,
0.3247

■ 61.1757, 0.2828,
0.3262

■ 64.3640, 0.2974,
0.3277

Harmonies

Analogous

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



48.0920, 0.2529, 0.3707



48.0920, 0.2202, 0.3128



48.0920, 0.2108, 0.2672

Triad

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



48.0920, 0.2202, 0.3128



48.0920, 0.3141, 0.2580



48.0920, 0.4045, 0.4141

Complementary

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



48.0920, 0.2202, 0.3128



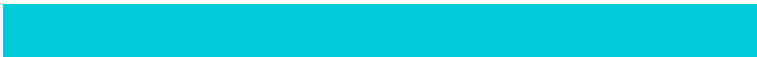
14.6894, 0.6370, 0.3324

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.



48.0920, 0.4260, 0.3760



48.0920, 0.2202, 0.3128



48.0920, 0.3717, 0.2901

Square

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



48.0920, 0.2202, 0.3128



48.0920, 0.2610, 0.2410



48.0920, 0.4143, 0.3318



48.0920, 0.3589, 0.4327

Rectangle

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



48.0920, 0.2202, 0.3128



48.0920, 0.2176, 0.2487



48.0920, 0.4143, 0.3318



48.0920, 0.4149, 0.4028

Sweetspot

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



48.0971, 0.2202, 0.3128



85.7904, 0.2689, 0.3246



48.6338, 0.2993, 0.5974



18.0265, 0.2635, 0.3240



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.



48.0971, 0.2202, 0.3128



70.6904, 0.2202, 0.3126



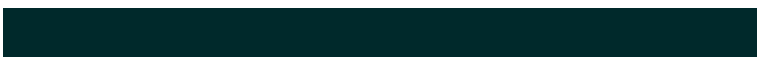
13.4120, 0.1722, 0.1398



13.9938, 0.2983, 0.3278



28.8111, 0.2203, 0.3131



1.7719, 0.2211, 0.3160

Inverse Universe

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



18.8099, 0.3343, 0.1615



27.6674, 0.3344, 0.1616



27.4681, 0.5274, 0.4194



12.6212, 0.3146, 0.3072



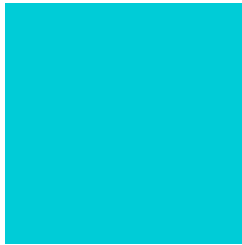
11.2534, 0.3341, 0.1614



0.6822, 0.3316, 0.1600

Previews

White Background



This preview shows how the Yxy color 48.0920, 0.2202, 0.3128 looks on a white background.

Color Contrast Check

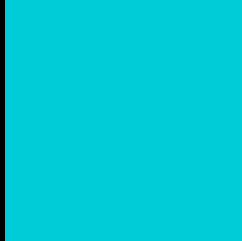
Large Text (above 18pt) WCAG AA × Fail

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 48.0920, 0.2202, 0.3128 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

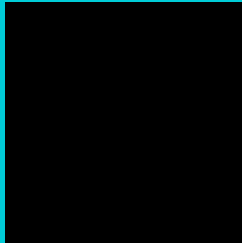
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.0920, 0.2202, 0.3128

Background



This preview shows how black text looks on a background with the Yxy color 48.0920, 0.2202, 0.3128.



This preview shows how white text looks on a background with the Yxy color 48.0920, 0.2202, 0.3128.

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

48.0920, 0.2202, 0.3128

Protanopia

47.4967, 0.2973, 0.3048

Deuteranopia

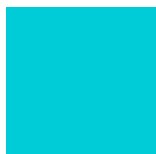
47.4057, 0.2836, 0.2774



Tritanopia

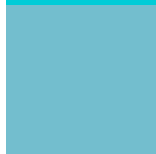
48.0613, 0.2194, 0.3045

Trichromacy



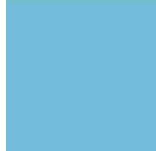
Original Color

48.0920, 0.2202, 0.3128



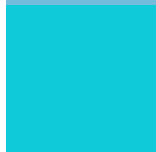
Protanomaly

44.9280, 0.2497, 0.3063



Deuteranomaly

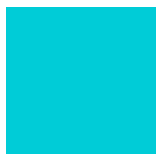
44.7939, 0.2427, 0.2864



Tritanomaly

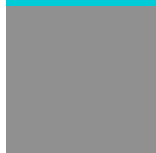
47.8754, 0.2195, 0.3072

Monochromacy



Original Color

48.0920, 0.2202, 0.3128



Achromatopsia

27.8894, 0.3127, 0.3290



Achromatomaly

32.4500, 0.2513, 0.3222

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.0920, 0.2202, 0.3128 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(0, 204, 215)` looks like.

```
.text, #text, p{  
    color:rgb(0, 204, 215)  
}
```

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(0, 204, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 204, 215) }
```

Border

The CSS property to change the border of an element to Yxy 48.0920, 0.2202, 0.3128 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(0, 204, 215) }
```

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

```
.border{ border-color:rgb(0, 204, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 204, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 204, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 204, 215);  
box-shadow:4px 4px 4px 4px rgb(0, 204,  
215) }
```


Background

The CSS property to change the background color of an element to Yxy 48.0920, 0.2202, 0.3128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 204, 215) }
```

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

```
.background{ background-color: rgb(0, 204,  
215) }
```

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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