

Converting Colors

$Y_{xy}(44.0508, 0.2169, 0.2968)$

Have a look what the booklet for
Yxy(44.0508, 0.2169, 0.2968)
contains.

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Color

Yxy(44.1686, 0.2168, 0.2966)

Conversions

Conversions Part 1

Format	Color
Hex	12C3D9
RGB	18, 195, 217
RGB Percent	7%, 76%, 85%
CMY	0.9301, 0.2353, 0.1491
CMYK	0.92, 0.10, 0.00, 0.15
HSL	187°, 85%, 46%
HSV	187°, 92%, 85%
XYZ	32.2851, 44.1686, 72.4627
YIQ	144.5850, -112.5540, -30.6820

Conversions

Conversions Part 2

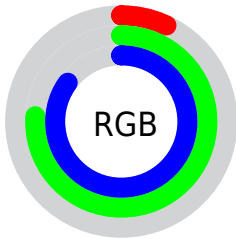
Format	Color
RYB	18, 112, 217
Decimal	1229785
CIELab	72.34, -31.92, -22.30
CIELCh	72, 38.936, 214.947
Yxy	44.1686, 0.2168, 0.2966
Android (android.graphics.Color)	4279419865 (0xFF12C3D9)
YUV	144.5850, 35.7006, -111.0150
Hunter-Lab	66.4595, -29.5913, -18.1240

Details

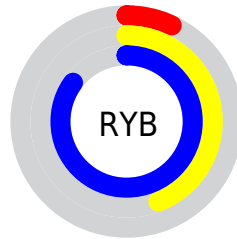
The Yxy color **44.1686, 0.2168, 0.2966** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **16.2984, 0.6149, 0.3401**, and the grayscale version is **28.0050, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.1558, 0.2406, 0.3253**, and **21.6584, 0.2133, 0.2879** is the 20% darker color. If you saturate the color by 10%, you get **43.1671, 0.2149, 0.2935**, and if you desaturate by 10%, it is **45.5670, 0.2205, 0.3004**.

Distribution



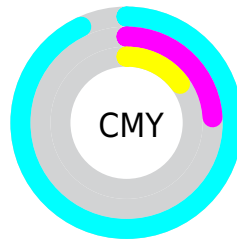
- Red (7%)
- Green (76%)
- Blue (85%)



- Red (7%)
- Yellow (44%)
- Blue (85%)



- Cyan (92%)
- Magenta (10%)
- Yellow (0%)
- Black (15%)




- Cyan (93%)
- Magenta (24%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.1686, 0.2168, 0.2966 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 44.1686, 0.2168, 0.2966 by changing the saturation by 10% instead.


 44.1686, 0.2168,
0.2966


 44.1686, 0.2168,
0.2966


363.3958, 0.2632,
0.3144


 30.8031, 0.2059,
0.2917


 81.4714, 0.2332,
0.3034


 20.4489, 0.1922,
0.2853


 106.1774, 0.2395,
0.3059


 12.7218, 0.1748,
0.2764


 135.4325, 0.2449,
0.3079

 7.2373, 0.1521,
0.2635

 169.6208, 0.2495,
0.3096

 3.6109, 0.1217,
0.2437

 209.1270, 0.2536,
0.3111

 1.4584, 0.0755,
0.2119

254.3352, 0.2572,

 0.2592, 0.0000,

0.3124

0.1083

305.6301, 0.2603,
0.3135

■ 0.0000, 0.0000,
0.0000

■ 44.1686, 0.2168,
0.2966

■ 44.1686, 0.2168,
0.2966

■ 43.1671, 0.2149,
0.2935

■ 45.5670, 0.2205,
0.3004

■ 47.2239, 0.2260,
0.3043

■ 49.1769, 0.2334,
0.3081

■ 51.4560, 0.2427,
0.3119

■ 54.0874, 0.2538,
0.3156

■ 57.0944, 0.2663,
0.3192

■ 60.4984, 0.2800,
0.3225

■ 64.3191, 0.2947,
0.3256

■ 68.5748, 0.3100,
0.3285

Harmonies

Analogous

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



44.1686, 0.2415, 0.3508



44.1686, 0.2168, 0.2966



44.1686, 0.2153, 0.2586

Triad

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



44.1686, 0.2168, 0.2966



44.1686, 0.3331, 0.2687



44.1686, 0.3895, 0.4208

Complementary

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



44.1686, 0.2168, 0.2966



16.2984, 0.6149, 0.3401

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.



44.1686, 0.4194, 0.3886



44.1686, 0.2168, 0.2966



44.1686, 0.3865, 0.3040

Square

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



44.1686, 0.2168, 0.2966



44.1686, 0.2781, 0.2467



44.1686, 0.4191, 0.3464



44.1686, 0.3402, 0.4290

Rectangle

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



44.1686, 0.2168, 0.2966



44.1686, 0.2270, 0.2454



44.1686, 0.4191, 0.3464



44.1686, 0.4023, 0.4120

Sweetspot

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



44.1702, 0.2168, 0.2966



83.9554, 0.2710, 0.3204



49.8865, 0.2975, 0.5842



17.5325, 0.2652, 0.3189



0.0000, 0.0000, 0.0000



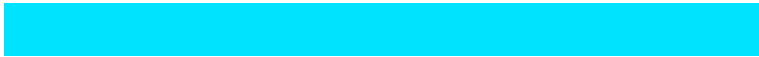
21.4041, 0.3127, 0.3290

Same Dimension

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



44.1702, 0.2168, 0.2966



62.0782, 0.2148, 0.2932



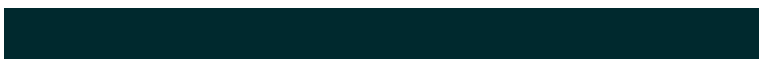
13.7771, 0.1739, 0.1402



14.5712, 0.2982, 0.3263



26.2300, 0.2150, 0.2941



1.7709, 0.2167, 0.3002

Inverse Universe

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



19.1180, 0.3482, 0.1721



26.7980, 0.3515, 0.1710



32.7777, 0.5002, 0.4348



13.2488, 0.3155, 0.3085



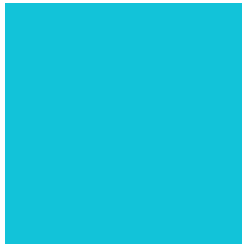
11.2717, 0.3507, 0.1706



0.7375, 0.3452, 0.1675

Previews

White Background



This preview shows how the Yxy color 44.1686, 0.2168, 0.2966 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 44.1686, 0.2168, 0.2966 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

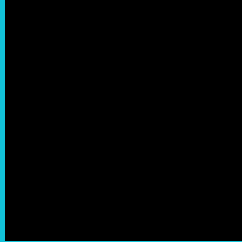
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.1686, 0.2168, 0.2966

Background



This preview shows how black text looks on a background with the Yxy color 44.1686, 0.2168, 0.2966.



This preview shows how white text looks on a background with the Yxy color 44.1686, 0.2168, 0.2966.

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

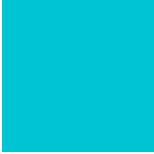
44.1686, 0.2168, 0.2966

Protanopia

43.6297, 0.2876, 0.2924

Deuteranopia

43.5961, 0.2725, 0.2670



Tritanopia

44.2333, 0.2181, 0.3050

Trichromacy



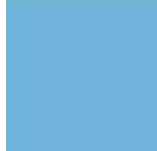
Original Color

44.1686, 0.2168, 0.2966



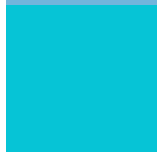
Protanomaly

41.6548, 0.2466, 0.2919



Deuteranomaly

41.7925, 0.2393, 0.2749



Tritanomaly

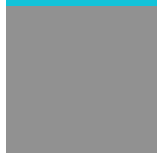
44.3736, 0.2176, 0.3022

Monochromacy



Original Color

44.1686, 0.2168, 0.2966



Achromatopsia

28.3149, 0.3127, 0.3290



Achromatomaly

31.7873, 0.2542, 0.3157

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.1686, 0.2168, 0.2966 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(18, 195, 217)` looks like.

```
.text, #text, p{  
    color:rgb(18, 195, 217)  
}
```

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(18, 195, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 195, 217) }
```

Border

The CSS property to change the border of an element to Yxy 44.1686, 0.2168, 0.2966 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(18, 195, 217) }
```

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

```
.border{ border-color:rgb(18, 195, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 195, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 195, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 195, 217);  
box-shadow:4px 4px 4px 4px rgb(18, 195,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 44.1686, 0.2168, 0.2966 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 195, 217) }
```

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

```
.background{ background-color: rgb(18, 195,  
217) }
```

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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