

Converting Colors

$Y_{xy}(45.7122, 0.2191, 0.2914)$

Have a look what the booklet for
Yxy(45.7122, 0.2191, 0.2914)
contains.

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Color

Yxy(45.8646, 0.2192, 0.2918)

Conversions

Conversions Part 1

Format	Color
Hex	2FC5DF
RGB	47, 197, 223
RGB Percent	18%, 77%, 87%
CMY	0.8163, 0.2274, 0.1254
CMYK	0.79, 0.12, 0.00, 0.13
HSL	189°, 73%, 53%
HSV	189°, 79%, 87%
XYZ	34.4535, 45.8646, 76.8601
YIQ	155.1140, -97.7460, -23.7140

Conversions

Conversions Part 2

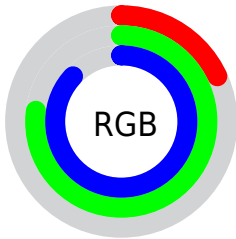
Format	Color
R _Y B	47, 128, 223
Decimal	3130847
CIE Lab	73.46, -29.09, -23.84
CIE LCh	73, 37.608, 219.340
Yxy	45.8646, 0.2192, 0.2918
Android (android.graphics.Color)	4281320927 (0xFF2FC5DF)
YUV	155.1140, 33.4678, -94.8160
Hunter-Lab	67.7234, -27.7063, -19.8826

Details

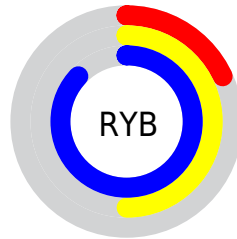
The Yxy color **45.8646, 0.2192, 0.2918** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **20.6391, 0.5661, 0.3507**, and the grayscale version is **32.6936, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.2412, 0.2451, 0.3277**, and **22.4721, 0.2115, 0.2814** is the 20% darker color. If you saturate the color by 10%, you get **43.9877, 0.2146, 0.2866**, and if you desaturate by 10%, it is **48.0476, 0.2257, 0.2971**.

Distribution



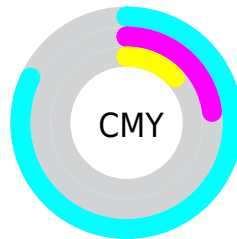
- Red (18%)
- Green (77%)
- Blue (87%)



- Red (18%)
- Yellow (50%)
- Blue (87%)



- Cyan (79%)
- Magenta (12%)
- Yellow (0%)
- Black (13%)



- Cyan (82%)
- Magenta (23%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.8646, 0.2192, 0.2918 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 45.8646, 0.2192, 0.2918 by changing the saturation by 10% instead.

45.8646, 0.2192,
0.2918

45.8646, 0.2192,
0.2918

370.2640, 0.2641,
0.3118

32.1390, 0.2087,
0.2865

84.0163, 0.2350,
0.2993

21.4677, 0.1956,
0.2796

109.2112, 0.2411,
0.3020

13.4663, 0.1789,
0.2702

138.9980, 0.2464,
0.3043

7.7504, 0.1572,
0.2569

173.7611, 0.2509,
0.3063

3.9357, 0.1282,
0.2368

213.8848, 0.2548,
0.3079

1.6376, 0.0882,
0.2047

259.7536, 0.2583,

0.3828, 0.0000,

0.3094

0.1295

311.7519, 0.2614,
0.3106

■ 0.0000, 0.0000,
0.0000

■ 45.8646, 0.2192,
0.2918

■ 45.8646, 0.2192,
0.2918

■ 43.9877, 0.2146,
0.2866

■ 48.0476, 0.2257,
0.2971

■ 42.3548, 0.2116,
0.2814

■ 50.5684, 0.2342,
0.3023

■ 42.1974, 0.2114,
0.2809

■ 53.4594, 0.2445,
0.3075

■ 56.7479, 0.2564,
0.3124

■ 60.4584, 0.2696,
0.3171

■ 64.6132, 0.2839,
0.3215

■ 69.2330, 0.2989,
0.3256

■ 74.3373, 0.3143,
0.3294

■ 79.9441, 0.3298,
0.3327

Harmonies

Analogous

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



45.8646, 0.2399, 0.3419



45.8646, 0.2192, 0.2918



45.8646, 0.2210, 0.2582

Triad

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



45.8646, 0.2192, 0.2918



45.8646, 0.3403, 0.2755



45.8646, 0.3802, 0.4197

Complementary

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



45.8646, 0.2192, 0.2918



20.6391, 0.5661, 0.3507

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.



45.8646, 0.4121, 0.3917



45.8646, 0.2192, 0.2918



45.8646, 0.3893, 0.3109

Square

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



45.8646, 0.2192, 0.2918



45.8646, 0.2869, 0.2521



45.8646, 0.4162, 0.3521



45.8646, 0.3316, 0.4226

Rectangle

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



45.8646, 0.2192, 0.2918



45.8646, 0.2343, 0.2474



45.8646, 0.4162, 0.3521



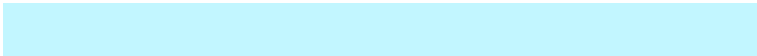
45.8646, 0.3934, 0.4125

Sweetspot

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



45.8663, 0.2192, 0.2918



84.5537, 0.2764, 0.3193



53.8313, 0.2949, 0.5536



17.6748, 0.2713, 0.3177



0.0000, 0.0000, 0.0000



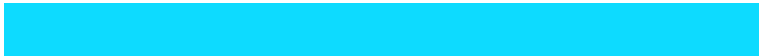
21.4041, 0.3127, 0.3290

Same Dimension

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



45.8663, 0.2192, 0.2918



58.0922, 0.2125, 0.2831



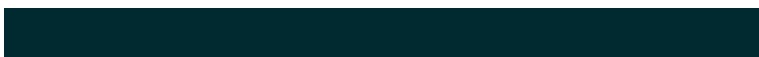
17.3934, 0.1843, 0.1585



15.2094, 0.2982, 0.3255



24.9380, 0.2116, 0.2816



1.8237, 0.2138, 0.2897

Inverse Universe

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



21.7424, 0.3516, 0.1841



26.6686, 0.3605, 0.1774



40.4910, 0.4703, 0.4404



13.8990, 0.3160, 0.3093



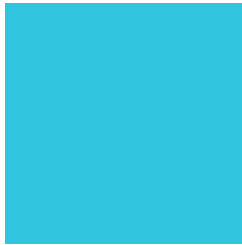
11.4256, 0.3620, 0.1768



0.8016, 0.3546, 0.1727

Previews

White Background



This preview shows how the Yxy color 45.8646, 0.2192, 0.2918 looks on a white background.

Color Contrast Check

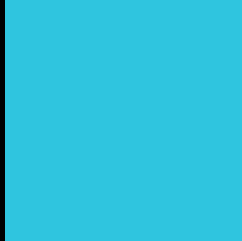
Large Text (above 18pt) WCAG AA × Fail

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 45.8646, 0.2192, 0.2918 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

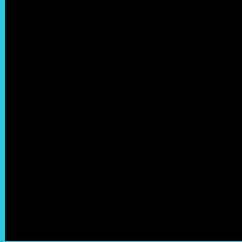
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.8646, 0.2192, 0.2918

Background



This preview shows how black text looks on a background with the Yxy color 45.8646, 0.2192, 0.2918.



This preview shows how white text looks on a background with the Yxy color 45.8646, 0.2192, 0.2918.

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

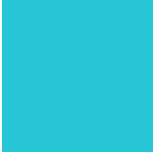
45.8646, 0.2192, 0.2918

Protanopia

44.9817, 0.2842, 0.2867

Deuteranopia

45.3100, 0.2704, 0.2645



Tritanopia

45.7065, 0.2212, 0.3041

Trichromacy



Original Color

45.8646, 0.2192, 0.2918



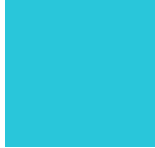
Protanomaly

43.6993, 0.2501, 0.2864



Deuteranomaly

44.2076, 0.2435, 0.2727



Tritanomaly

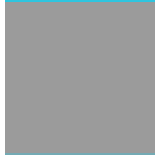
45.9215, 0.2205, 0.2999

Monochromacy



Original Color

45.8646, 0.2192, 0.2918



Achromatopsia

32.7778, 0.3127, 0.3290



Achromatomaly

35.7577, 0.2613, 0.3134

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.8646, 0.2192, 0.2918 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(47, 197, 223)` looks like.

```
.text, #text, p{  
    color:rgb(47, 197, 223)  
}
```

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(47, 197, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 197, 223) }
```

Border

The CSS property to change the border of an element to Yxy 45.8646, 0.2192, 0.2918 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(47, 197, 223) }
```

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

```
.border{ border-color:rgb(47, 197, 223) }
```

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

Here you see how a box with a 4 pixel rgb(47, 197, 223) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 197, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 197, 223);  
box-shadow:4px 4px 4px 4px rgb(47, 197,  
223) }
```


Background

The CSS property to change the background color of an element to Yxy 45.8646, 0.2192, 0.2918 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 197, 223) }
```

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

```
.background{ background-color: rgb(47, 197,  
223) }
```

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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