

Converting Colors

$Y_{xy}(70.7443, 0.2529, 0.3921)$

Have a look what the booklet for
Yxy(70.7443, 0.2529, 0.3921)
contains.

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Color

Yxy(70.8725, 0.2530, 0.3923)

Conversions

Conversions Part 1

Format	Color
Hex	4CF5C5
RGB	76, 245, 197
RGB Percent	30%, 96%, 77%
CMY	0.7021, 0.0392, 0.2275
CMYK	0.69, 0.00, 0.20, 0.04
HSL	163°, 89%, 63%
HSV	163°, 69%, 96%
XYZ	45.7067, 70.8725, 64.0797
YIQ	188.9970, -85.3160, -50.7560

Conversions

Conversions Part 2

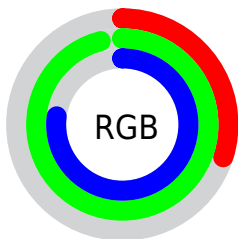
Format	Color
RYB	76, 174, 245
Decimal	5043653
CIELab	87.42, -54.06, 10.71
CIELCh	87, 55.113, 168.792
Yxy	70.8725, 0.2530, 0.3923
Android (android.graphics.Color)	4283233733 (0xFF4CF5C5)
YUV	188.9970, 3.9455, -99.0984
Hunter-Lab	84.1858, -50.4128, 13.8003

Details

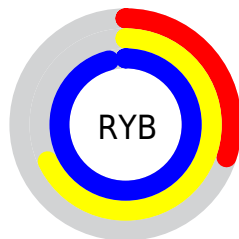
The Yxy color **70.8725, 0.2530, 0.3923** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light washed cyan. A complement of this color would be **26.0343, 0.4785, 0.2839**, and the grayscale version is **50.8966, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.6050, 0.2541, 0.3299**, and **37.9496, 0.2467, 0.4081** is the 20% darker color. If you saturate the color by 10%, you get **69.7442, 0.2505, 0.4032**, and if you desaturate by 10%, it is **72.4028, 0.2575, 0.3816**.

Distribution



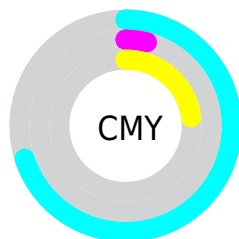
- Red (30%)
- Green (96%)
- Blue (77%)



- Red (30%)
- Yellow (68%)
- Blue (96%)



- Cyan (69%)
- Magenta (0%)
- Yellow (20%)
- Black (4%)



- Cyan (70%)
- Magenta (4%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.8725, 0.2530, 0.3923 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 70.8725, 0.2530, 0.3923 by changing the saturation by 10% instead.


 70.8725, 0.2530,
0.3923


 70.8725, 0.2530,
0.3923


463.6076, 0.2812,
0.3617


 52.2382, 0.2465,
0.3996

 120.4522, 0.2629,
0.3814

 37.1949, 0.2383,
0.4088

 152.1663, 0.2667,
0.3773

 25.3585, 0.2280,
0.4207


 189.0091, 0.2699,
0.3737

 16.3443, 0.2143,
0.4367

 231.3650, 0.2728,
0.3707

 9.7681, 0.1956,
0.4593

279.6184, 0.2753,
0.3680

 5.2455, 0.1687,
0.4933

334.1537, 0.2775,

 2.3920, 0.1191,

0.3657

395.3553, 0.2794,
0.3636

0.5549

0.8218, 0.0000,
0.8493

0.0000, 0.0000,
0.0000

70.8725, 0.2530,
0.3923

70.8725, 0.2530,
0.3923

69.7442, 0.2505,
0.4032

72.4028, 0.2575,
0.3816

68.9635, 0.2501,
0.4140


74.3659, 0.2638,
0.3712


68.4639, 0.2514,
0.4247


76.7988, 0.2718,
0.3613


68.4203, 0.2516,
0.4258

79.7322, 0.2811,
0.3519

 83.1944, 0.2914,
0.3433

 87.2111, 0.3024,
0.3354

 91.8069, 0.3139,
0.3283

 93.6406, 0.3146,
0.3217

 93.7897, 0.3132,
0.3194

Harmonies

Analogous

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



70.8725, 0.3139, 0.4426



70.8725, 0.2530, 0.3923



70.8725, 0.2109, 0.3224

Triad

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



70.8725, 0.2530, 0.3923



70.8725, 0.2418, 0.2262



70.8725, 0.4462, 0.3711

Complementary

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



70.8725, 0.2530, 0.3923



26.0343, 0.4785, 0.2839

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.



70.8725, 0.4247, 0.3205



70.8725, 0.2530, 0.3923



70.8725, 0.2998, 0.2416

Square

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



70.8725, 0.2530, 0.3923



70.8725, 0.2058, 0.2329



70.8725, 0.3684, 0.2750



70.8725, 0.4272, 0.4186

Rectangle

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



70.8725, 0.2530, 0.3923



70.8725, 0.1974, 0.2814



70.8725, 0.3684, 0.2750



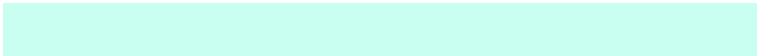
70.8725, 0.4436, 0.3542

Sweetspot

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



70.8753, 0.2530, 0.3923



90.2784, 0.2892, 0.3450



70.3188, 0.3253, 0.5362



19.0933, 0.2863, 0.3474



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.



70.8753, 0.2530, 0.3923



75.9751, 0.2501, 0.4077



54.8168, 0.2226, 0.2850



18.6728, 0.3018, 0.3358



36.8816, 0.2511, 0.4240



3.2591, 0.2474, 0.4106

Inverse Universe

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



26.0343, 0.4785, 0.2839



24.0024, 0.5319, 0.2863



31.0396, 0.5174, 0.3608



16.5599, 0.3249, 0.3223



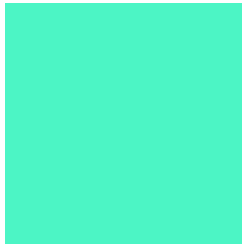
10.7140, 0.5819, 0.2979



0.9586, 0.5465, 0.2784

Previews

White Background



This preview shows how the Yxy color 70.8725, 0.2530, 0.3923 looks on a white background.

Color Contrast Check

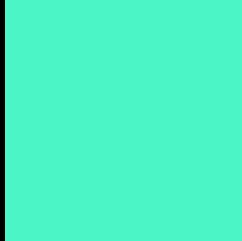
Large Text (above 18pt) WCAG AA × Fail

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 70.8725, 0.2530, 0.3923 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

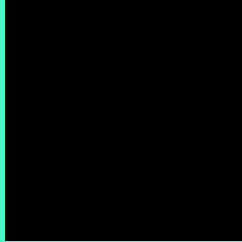
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.8725, 0.2530, 0.3923

Background



This preview shows how black text looks on a background with the Yxy color 70.8725, 0.2530, 0.3923.



This preview shows how white text looks on a background with the Yxy color 70.8725, 0.2530, 0.3923.

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

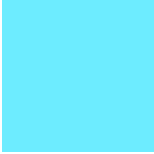
70.8725, 0.2530, 0.3923

Protanopia

69.7026, 0.3453, 0.3665

Deuteranopia

69.5557, 0.3414, 0.3344



Tritanopia

70.4621, 0.2362, 0.3061

Trichromacy



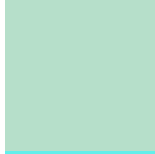
Original Color

70.8725, 0.2530, 0.3923



Protanomaly

67.4532, 0.3005, 0.3768



Deuteranomaly

66.9847, 0.2978, 0.3541



Tritanomaly

70.2149, 0.2417, 0.3350

Monochromacy



Original Color

70.8725, 0.2530, 0.3923



Achromatopsia

50.8881, 0.3127, 0.3290



Achromatomaly

55.7026, 0.2809, 0.3514

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.8725, 0.2530, 0.3923 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(76, 245, 197)` looks like.

```
.text, #text, p{  
    color:rgb(76, 245, 197)  
}
```

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(76, 245, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 245, 197) }
```

Border

The CSS property to change the border of an element to Yxy 70.8725, 0.2530, 0.3923 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(76, 245, 197) }
```

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

```
.border{ border-color:rgb(76, 245, 197) }
```

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

Here you see how a box with a 4 pixel rgb(76, 245, 197) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 245, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 245, 197);  
box-shadow:4px 4px 4px 4px rgb(76, 245,  
197) }
```


Background

The CSS property to change the background color of an element to Yxy 70.8725, 0.2530, 0.3923 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 245, 197) }
```

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

```
.background{ background-color: rgb(76, 245,  
197) }
```

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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