

Converting Colors

$Yxy(70.3817, 0.2393, 0.3497)$

Have a look what the booklet for
Yxy(70.3817, 0.2393, 0.3497)
contains.

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Color

Yxy(70.4117, 0.2392, 0.3492)

Conversions

Conversions Part 1

Format	Color
Hex	49F2E2
RGB	73, 242, 226
RGB Percent	29%, 95%, 89%
CMY	0.7133, 0.0510, 0.1138
CMYK	0.70, 0.00, 0.07, 0.05
HSL	174°, 87%, 62%
HSV	174°, 70%, 95%
XYZ	48.2316, 70.4117, 82.9939
YIQ	189.6450, -95.5880, -40.8040

Conversions

Conversions Part 2

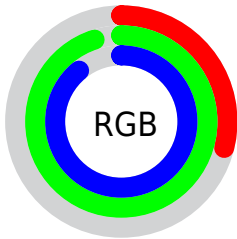
Format	Color
R _Y B	73, 162, 242
Decimal	4846306
CIE Lab	87.20, -46.01, -4.77
CIE LCh	87, 46.255, 185.914
Yxy	70.4117, 0.2392, 0.3492
Android (android.graphics.Color)	4283036386 (0xFF49F2E2)
YUV	189.6450, 17.9230, -102.2977
Hunter-Lab	83.9117, -44.2454, 0.0967

Details

The Yxy color **70.4117, 0.2392, 0.3492** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **24.3789, 0.5285, 0.3157**, and the grayscale version is **51.2314, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.5796, 0.2532, 0.3288**, and **37.6382, 0.2312, 0.3523** is the 20% darker color. If you saturate the color by 10%, you get **69.5194, 0.2354, 0.3525**, and if you desaturate by 10%, it is **71.6787, 0.2450, 0.3459**.

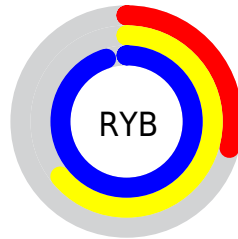
Distribution



Red (29%)

Green (95%)

Blue (89%)



Red (29%)

Yellow (64%)

Blue (95%)

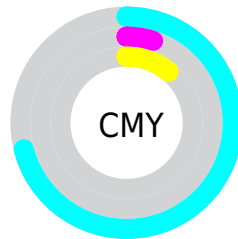


Cyan (70%)

Magenta (0%)

Yellow (7%)

Black (5%)



Cyan (71%)


Magenta (5%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.4117, 0.2392, 0.3492 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 70.4117, 0.2392, 0.3492 by changing the saturation by 10% instead.

 70.4117, 0.2392,
0.3492

 70.4117, 0.2392,
0.3492

461.9942, 0.2728,
0.3404

 51.8622, 0.2317,
0.3511


 119.7957, 0.2508,
0.3463

 36.8953, 0.2224,
0.3533


 151.3990, 0.2553,
0.3451

 25.1264, 0.2109,
0.3560


 188.1224, 0.2592,
0.3441

 16.1713, 0.1960,
0.3592

 230.3502, 0.2626,
0.3432

 9.6454, 0.1763,
0.3632

278.4670, 0.2656,
0.3423

 5.1645, 0.1493,
0.3680

332.8569, 0.2683,

 2.3441, 0.1094,

0.3416

393.9046, 0.2707,
0.3410

0.3736

0.7969, 0.0000,
0.3950

0.0000, 0.0000,
0.0000

70.4117, 0.2392,
0.3492

70.4117, 0.2392,
0.3492

69.5194, 0.2354,
0.3525

71.6787, 0.2450,
0.3459

68.9483, 0.2335,
0.3557


73.3505, 0.2526,
0.3427

68.6269, 0.2331,
0.3590


75.4631, 0.2621,
0.3396


68.6212, 0.2331,
0.3590


78.0463, 0.2732,
0.3367

 81.1276, 0.2855,
0.3339

 84.7321, 0.2989,
0.3313

 88.8832, 0.3130,
0.3290

 91.3156, 0.3198,
0.3268

 91.4560, 0.3184,
0.3245

Harmonies

Analogous

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



70.4117, 0.2839, 0.4028



70.4117, 0.2392, 0.3492



70.4117, 0.2149, 0.2944

Triad

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



70.4117, 0.2392, 0.3492



70.4117, 0.2791, 0.2459



70.4117, 0.4206, 0.3907

Complementary

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



70.4117, 0.2392, 0.3492



24.3789, 0.5285, 0.3157

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.



70.4117, 0.4215, 0.3479



70.4117, 0.2392, 0.3492



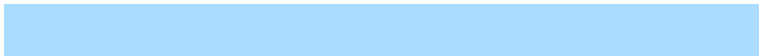
70.4117, 0.3353, 0.2687

Square

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



70.4117, 0.2392, 0.3492



70.4117, 0.2364, 0.2408



70.4117, 0.3892, 0.3048



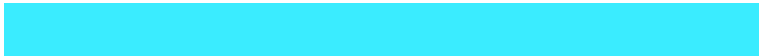
70.4117, 0.3893, 0.4230

Rectangle

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



70.4117, 0.2392, 0.3492



70.4117, 0.2118, 0.2668



70.4117, 0.3892, 0.3048



70.4117, 0.4247, 0.3770

Sweetspot

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



70.4144, 0.2392, 0.3492



90.8974, 0.2839, 0.3342



66.1590, 0.3086, 0.5492



19.2421, 0.2804, 0.3350



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.



70.4144, 0.2392, 0.3492



77.9682, 0.2343, 0.3539



38.2739, 0.2101, 0.2364



17.9016, 0.2994, 0.3312



36.8756, 0.2329, 0.3585



3.0752, 0.2317, 0.3542

Inverse Universe

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



24.3789, 0.5285, 0.3157



23.1701, 0.5898, 0.3188



38.3095, 0.4885, 0.3956



15.7832, 0.3278, 0.3268



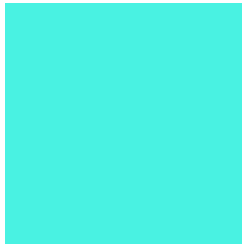
10.1827, 0.6292, 0.3240



0.8553, 0.6055, 0.3109

Previews

White Background



This preview shows how the Yxy color 70.4117, 0.2392, 0.3492 looks on a white background.

Color Contrast Check

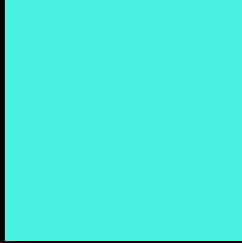
Large Text (above 18pt) WCAG AA × Fail

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 70.4117, 0.2392, 0.3492 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

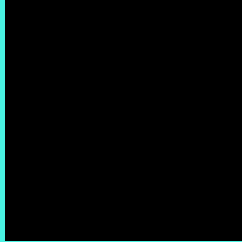
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

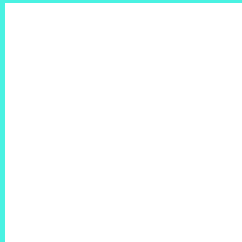
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.4117, 0.2392, 0.3492

Background



This preview shows how black text looks on a background with the Yxy color 70.4117, 0.2392, 0.3492.

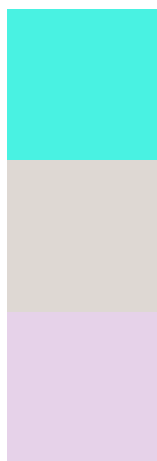


This preview shows how white text looks on a background with the Yxy color 70.4117, 0.2392, 0.3492.

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

70.4117, 0.2392, 0.3492

Protanopia

69.3445, 0.3205, 0.3345

Deuteranopia

68.7994, 0.3117, 0.3046



Tritanopia

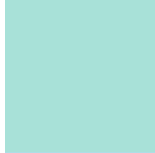
70.4977, 0.2335, 0.3072

Trichromacy



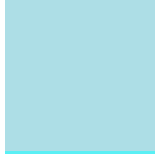
Original Color

70.4117, 0.2392, 0.3492



Protanomaly

67.1331, 0.2807, 0.3397



Deuteranomaly

66.8400, 0.2755, 0.3195



Tritanomaly

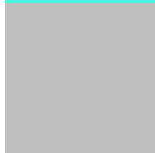
70.4383, 0.2355, 0.3226

Monochromacy



Original Color

70.4117, 0.2392, 0.3492



Achromatopsia

51.4918, 0.3127, 0.3290



Achromatomaly

56.1158, 0.2737, 0.3367

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.4117, 0.2392, 0.3492 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(73, 242, 226)` looks like.

```
.text, #text, p{  
    color:rgb(73, 242, 226)  
}
```

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(73, 242, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 242, 226) }
```

Border

The CSS property to change the border of an element to Yxy 70.4117, 0.2392, 0.3492 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(73, 242, 226) }
```

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

```
.border{ border-color:rgb(73, 242, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 242, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 242, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 242, 226);  
box-shadow:4px 4px 4px 4px rgb(73, 242,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 70.4117, 0.2392, 0.3492 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 242, 226) }
```

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

```
.background{ background-color: rgb(73, 242,  
226) }
```

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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