

Converting Colors

$Yxy(70.1678, 0.2392, 0.3497)$

Have a look what the booklet for
Yxy(70.1678, 0.2392, 0.3497)
contains.

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Color

Yxy(70.3182, 0.2393, 0.3505)

Conversions

Conversions Part 1

Format	Color
Hex	48F2E1
RGB	72, 242, 225
RGB Percent	28%, 95%, 88%
CMY	0.7183, 0.0509, 0.1175
CMYK	0.70, 0.00, 0.07, 0.05
HSL	174°, 87%, 62%
HSV	174°, 70%, 95%
XYZ	48.0090, 70.3182, 82.2954
YIQ	189.2320, -95.8630, -41.3270

Conversions

Conversions Part 2

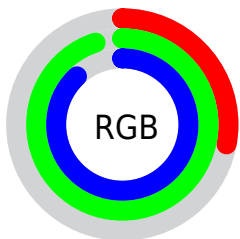
Format	Color
RYB	72, 161, 242
Decimal	4780769
CIELab	87.15, -46.43, -4.33
CIELCh	87, 46.628, 185.329
Yxy	70.3182, 0.2393, 0.3505
Android (android.graphics.Color)	4282970849 (0xFF48F2E1)
YUV	189.2320, 17.6336, -102.8125
Hunter-Lab	83.8559, -44.5536, 0.5126

Details

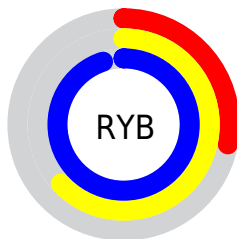
The Yxy color **70.3182, 0.2393, 0.3505** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **24.2124, 0.5297, 0.3149**, and the grayscale version is **50.9444, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.4908, 0.2528, 0.3288**, and **37.6002, 0.2317, 0.3541** is the 20% darker color. If you saturate the color by 10%, you get **69.4379, 0.2356, 0.3540**, and if you desaturate by 10%, it is **71.5712, 0.2449, 0.3470**.

Distribution



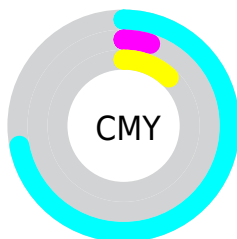
- Red (28%)
- Green (95%)
- Blue (88%)



- Red (28%)
- Yellow (63%)
- Blue (95%)



- Cyan (70%)
- Magenta (0%)
- Yellow (7%)
- Black (5%)





- Cyan (72%)
- Magenta (5%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.3182, 0.2393, 0.3505 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 70.3182, 0.2393, 0.3505 by changing the saturation by 10% instead.

 70.3182, 0.2393,
0.3505


 70.3182, 0.2393,
0.3505


461.6665, 0.2729,
0.3411

 51.7860, 0.2318,
0.3525


 119.6624, 0.2509,
0.3473

 36.8345, 0.2225,
0.3549


 151.2432, 0.2554,
0.3461

 25.0794, 0.2109,
0.3579


 187.9423, 0.2593,
0.3450

 16.1362, 0.1961,
0.3615

 230.1442, 0.2627,
0.3440

 9.6206, 0.1763,
0.3660

278.2331, 0.2657,
0.3431

 5.1481, 0.1492,
0.3715


332.5935, 0.2684,

 2.3344, 0.1088,


0.3424


0.3783


393.6099, 0.2708,
0.3417


 0.7918, 0.0000,
0.4017


 0.0000, 0.0000,
0.0000


 70.3182, 0.2393,
0.3505


 70.3182, 0.2393,
0.3505


 69.4379, 0.2356,
0.3540


 71.5712, 0.2449,
0.3470


 68.8765, 0.2338,
0.3574


 73.2274, 0.2525,
0.3437


 68.5659, 0.2335,
0.3607

 75.3229, 0.2618,
0.3404


 77.8879, 0.2727,
0.3372

 80.9498, 0.2850,
0.3343

 84.5338, 0.2983,
0.3316

 88.6637, 0.3123,
0.3291

 91.3244, 0.3198,
0.3268

 91.4724, 0.3183,
0.3244

Harmonies

Analogous

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



70.3182, 0.2846, 0.4044



70.3182, 0.2393, 0.3505



70.3182, 0.2144, 0.2950

Triad

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



70.3182, 0.2393, 0.3505



70.3182, 0.2778, 0.2450



70.3182, 0.4219, 0.3903

Complementary

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



70.3182, 0.2393, 0.3505



24.2124, 0.5297, 0.3149

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.



70.3182, 0.4221, 0.3471



70.3182, 0.2393, 0.3505



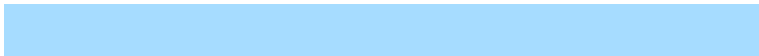
70.3182, 0.3343, 0.2677

Square

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



70.3182, 0.2393, 0.3505



70.3182, 0.2351, 0.2403



70.3182, 0.3890, 0.3038



70.3182, 0.3907, 0.4233

Rectangle

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



70.3182, 0.2393, 0.3505



70.3182, 0.2110, 0.2669



70.3182, 0.3890, 0.3038



70.3182, 0.4257, 0.3765

Sweetspot

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



70.3209, 0.2393, 0.3505



90.8805, 0.2840, 0.3345



66.0942, 0.3085, 0.5506



19.2380, 0.2806, 0.3353



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.



70.3209, 0.2393, 0.3505



77.9061, 0.2347, 0.3553



38.0341, 0.2095, 0.2356



17.9002, 0.2994, 0.3313



36.8417, 0.2334, 0.3601



3.0727, 0.2321, 0.3556

Inverse Universe

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



24.2124, 0.5297, 0.3149



23.1818, 0.5887, 0.3181



38.0755, 0.4902, 0.3958



15.7845, 0.3278, 0.3267



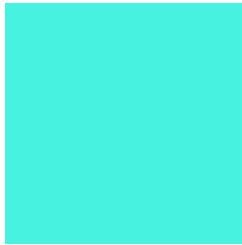
10.1858, 0.6285, 0.3236



0.8559, 0.6038, 0.3100

Previews

White Background



This preview shows how the Yxy color 70.3182, 0.2393, 0.3505 looks on a white background.

Color Contrast Check

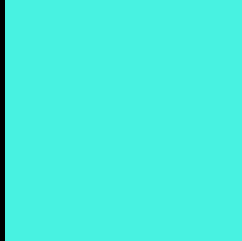
Large Text (above 18pt) WCAG AA × Fail

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 70.3182, 0.2393, 0.3505 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

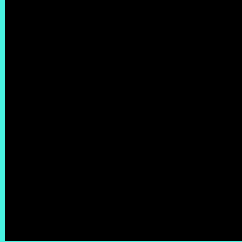
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.3182, 0.2393, 0.3505

Background



This preview shows how black text looks on a background with the Yxy color 70.3182, 0.2393, 0.3505.

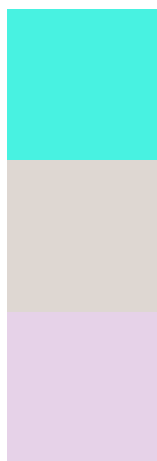


This preview shows how white text looks on a background with the Yxy color 70.3182, 0.2393, 0.3505.

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

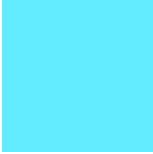
70.3182, 0.2393, 0.3505

Protanopia

68.7836, 0.3213, 0.3345

Deuteranopia

68.7424, 0.3123, 0.3057



Tritanopia

69.8636, 0.2329, 0.3060

Trichromacy



Original Color

70.3182, 0.2393, 0.3505



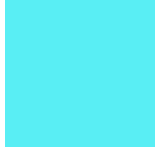
Protanomaly

66.9722, 0.2807, 0.3410



Deuteranomaly

66.6704, 0.2755, 0.3206



Tritanomaly

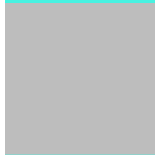
69.8046, 0.2349, 0.3214

Monochromacy



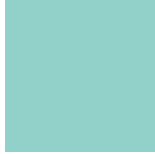
Original Color

70.3182, 0.2393, 0.3505



Achromatopsia

50.8881, 0.3127, 0.3290



Achromatomaly

55.4870, 0.2735, 0.3368

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.3182, 0.2393, 0.3505 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(72, 242, 225)` looks like.

```
.text, #text, p{  
  color:rgb(72, 242, 225)  
}
```

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(72, 242, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 242, 225) }
```

Border

The CSS property to change the border of an element to Yxy 70.3182, 0.2393, 0.3505 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(72, 242, 225) }
```

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

```
.border{ border-color:rgb(72, 242, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 242, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 242, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 242, 225);  
box-shadow:4px 4px 4px 4px rgb(72, 242,  
225) }
```


Background

The CSS property to change the background color of an element to Yxy 70.3182, 0.2393, 0.3505 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 242, 225) }
```

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

```
.background{ background-color: rgb(72, 242,  
225) }
```

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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