

Converting Colors

$Y_{xy}(70.6589, 0.2284, 0.3286)$

Have a look what the booklet for
Yxy(70.6589, 0.2284, 0.3286)
contains.

Yxy(70.5680, 0.2285, 0.3288)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(70.5680, 0.2285, 0.3288)

Conversions

Conversions Part 1

Format	Color
Hex	31F2F2
RGB	49, 242, 242
RGB Percent	19%, 95%, 95%
CMY	0.8078, 0.0510, 0.0511
CMYK	0.80, 0.00, 0.00, 0.05
HSL	180°, 88%, 57%
HSV	180°, 80%, 95%
XYZ	49.0413, 70.5680, 95.0135
YIQ	184.2930, -115.0280, -40.9160

Conversions

Conversions Part 2

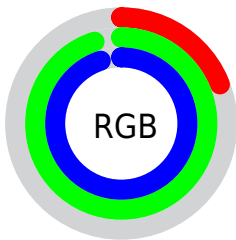
Format	Color
R _{YB}	49, 146, 242
Decimal	3273458
CIE _{Lab}	87.27, -44.12, -13.06
CIE _{LCh}	87, 46.011, 196.490
Yxy	70.5680, 0.2285, 0.3288
Android (android.graphics.Color)	4281463538 (0xFF31F2F2)
YUV	184.2930, 28.4496, -118.6520
Hunter-Lab	84.0048, -42.8014, -8.2566

Details

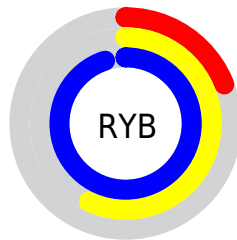
The Yxy color **70.5680, 0.2285, 0.3288** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **21.2981, 0.5927, 0.3298**, and the grayscale version is **47.9922, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.5653, 0.2486, 0.3288**, and **38.2431, 0.2242, 0.3271** is the 20% darker color. If you saturate the color by 10%, you get **70.1214, 0.2259, 0.3288**, and if you desaturate by 10%, it is **71.3424, 0.2329, 0.3288**.

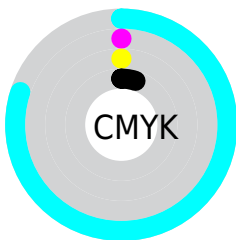
Distribution



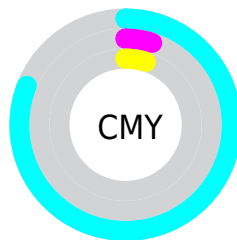
- Red (19%)
- Green (95%)
- Blue (95%)



- Red (19%)
- Yellow (57%)
- Blue (95%)



- Cyan (80%)
- Magenta (0%)
- Yellow (0%)
- Black (5%)




- Cyan (81%)
- Magenta (5%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.5680, 0.2285, 0.3288 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 70.5680, 0.2285, 0.3288 by changing the saturation by 10% instead.


 70.5680, 0.2285,
0.3288

 70.5680, 0.2285,
0.3288


462.5418, 0.2665,
0.3301

 51.9897, 0.2201,
0.3282


 120.0184, 0.2415,
0.3295

 36.9969, 0.2099,
0.3273


 151.6593, 0.2466,
0.3297

 25.2051, 0.1973,
0.3260


 188.4233, 0.2510,
0.3298

 16.2299, 0.1813,
0.3238

 230.6946, 0.2549,
0.3299

 9.6870, 0.1604,
0.3201

278.8577, 0.2583,
0.3300

 5.1919, 0.1326,
0.3135

333.2970, 0.2613,

 2.3603, 0.0943,

0.3301

394.3970, 0.2641,
0.3301

0.3005

0.8054, 0.0000,
0.2823

0.0000, 0.0000,
0.0000

70.5680, 0.2285,
0.3288

70.5680, 0.2285,
0.3288

70.1214, 0.2259,
0.3288

71.3424, 0.2329,
0.3288


69.9208, 0.2247,
0.3288


72.4821, 0.2393,
0.3288


69.9168, 0.2247,
0.3288


74.0276, 0.2476,
0.3288


76.0124, 0.2579,
0.3289

 78.4664, 0.2698,
0.3289

 81.4169, 0.2831,
0.3289

 84.8890, 0.2977,
0.3290

 88.9061, 0.3131,
0.3290

 91.1802, 0.3212,
0.3290

Harmonies

Analogous

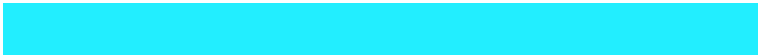
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



70.5680, 0.2666, 0.3854



70.5680, 0.2285, 0.3288



70.5680, 0.2125, 0.2790

Triad

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



70.5680, 0.2285, 0.3288



70.5680, 0.2981, 0.2525



70.5680, 0.4120, 0.4035

Complementary

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



70.5680, 0.2285, 0.3288



21.2981, 0.5927, 0.3298

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.



70.5680, 0.4244, 0.3633



70.5680, 0.2285, 0.3288



70.5680, 0.3553, 0.2805

Square

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



70.5680, 0.2285, 0.3288



70.5680, 0.2497, 0.2409



70.5680, 0.4034, 0.3197



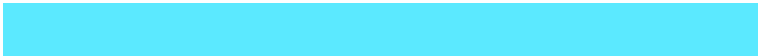
70.5680, 0.3726, 0.4287

Rectangle

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



70.5680, 0.2285, 0.3288



70.5680, 0.2149, 0.2565



70.5680, 0.4034, 0.3197



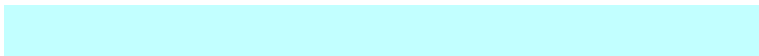
70.5680, 0.4197, 0.3911

Sweetspot

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



70.5706, 0.2285, 0.3288



90.1821, 0.2772, 0.3289



64.4665, 0.3018, 0.5768



19.0535, 0.2725, 0.3289



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.



70.5706, 0.2285, 0.3288



78.8025, 0.2250, 0.3288



28.4724, 0.1938, 0.1970



17.9289, 0.2981, 0.3290



37.5574, 0.2247, 0.3288



3.1244, 0.2247, 0.3288

Inverse Universe

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



21.2981, 0.5927, 0.3298



21.5039, 0.6353, 0.3299



38.5333, 0.5026, 0.4130



15.7589, 0.3293, 0.3290



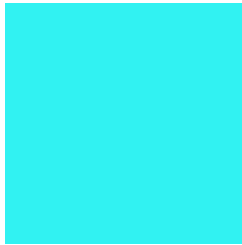
10.1411, 0.6401, 0.3300



0.8437, 0.6400, 0.3299

Previews

White Background



This preview shows how the Yxy color 70.5680, 0.2285, 0.3288 looks on a white background.

Color Contrast Check

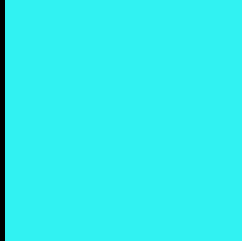
Large Text (above 18pt) WCAG AA × Fail

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 70.5680, 0.2285, 0.3288 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

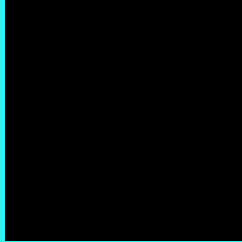
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.5680, 0.2285, 0.3288

Background



This preview shows how black text looks on a background with the Yxy color 70.5680, 0.2285, 0.3288.

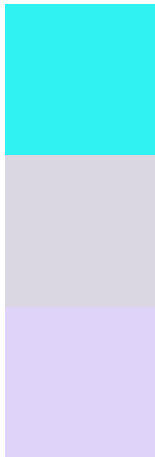


This preview shows how white text looks on a background with the Yxy color 70.5680, 0.2285, 0.3288.

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

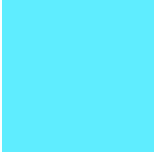
70.5680, 0.2285, 0.3288

Protanopia

68.9973, 0.3075, 0.3170

Deuteranopia

69.1161, 0.2961, 0.2890



Tritanopia

70.2213, 0.2320, 0.3071

Trichromacy



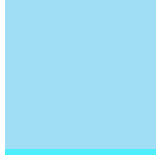
Original Color

70.5680, 0.2285, 0.3288



Protanomaly

66.8447, 0.2656, 0.3205



Deuteranomaly

66.3700, 0.2595, 0.3009



Tritanomaly

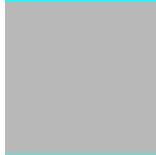
70.2548, 0.2301, 0.3153

Monochromacy



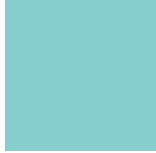
Original Color

70.5680, 0.2285, 0.3288



Achromatopsia

47.9320, 0.3127, 0.3290



Achromatomaly

53.2213, 0.2647, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.5680, 0.2285, 0.3288 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(49, 242, 242)` looks like.

```
.text, #text, p{  
    color:rgb(49, 242, 242)  
}
```

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(49, 242, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 242, 242) }
```

Border

The CSS property to change the border of an element to Yxy 70.5680, 0.2285, 0.3288 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(49, 242, 242) }
```

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

```
.border{ border-color:rgb(49, 242, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 242, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 242, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 242, 242);  
box-shadow:4px 4px 4px 4px rgb(49, 242,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 70.5680, 0.2285, 0.3288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 242, 242) }
```

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

```
.background{ background-color: rgb(49, 242,  
242) }
```

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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