

Converting Colors

$Yxy(70.6084, 0.2298, 0.3376)$

Have a look what the booklet for
Yxy(70.6084, 0.2298, 0.3376)
contains.

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Color

Yxy(70.6084, 0.2298, 0.3376)

Conversions

Conversions Part 1

Format	Color
Hex	28F3EC
RGB	40, 243, 236
RGB Percent	16%, 95%, 93%
CMY	0.8441, 0.0470, 0.0744
CMYK	0.84, 0.00, 0.03, 0.05
HSL	178°, 89%, 55%
HSV	178°, 84%, 95%
XYZ	48.0622, 70.6084, 90.4775
YIQ	181.5050, -118.7410, -45.2130

Conversions

Conversions Part 2

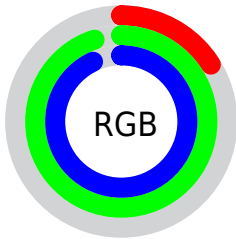
Format	Color
RYB	40, 143, 243
Decimal	2683884
CIELab	87.29, -46.89, -9.93
CIELCh	87, 47.931, 191.962
Yxy	70.6084, 0.2298, 0.3376
Android (android.graphics.Color)	4280873964 (0xFF28F3EC)
YUV	181.5050, 26.8660, -124.0999
Hunter-Lab	84.0288, -44.9532, -5.0200

Details

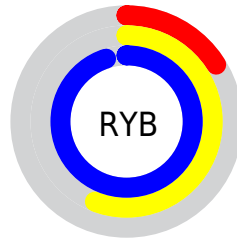
The Yxy color **70.6084, 0.2298, 0.3376** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **20.7607, 0.6006, 0.3262**, and the grayscale version is **46.3595, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.1756, 0.2467, 0.3288**, and **38.4131, 0.2274, 0.3386** is the 20% darker color. If you saturate the color by 10%, you get **70.2218, 0.2281, 0.3387**, and if you desaturate by 10%, it is **71.3053, 0.2333, 0.3365**.

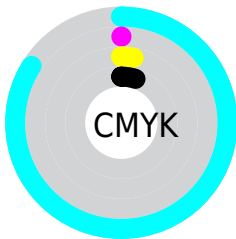
Distribution



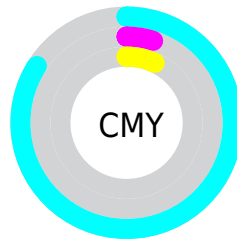
- Red (16%)
- Green (95%)
- Blue (93%)



- Red (16%)
- Yellow (56%)
- Blue (95%)



- Cyan (84%)
- Magenta (0%)
- Yellow (3%)
- Black (5%)




- Cyan (84%)
- Magenta (5%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.6084, 0.2298, 0.3376 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 70.6084, 0.2298, 0.3376 by changing the saturation by 10% instead.


 70.6084, 0.2298,
0.3376

 70.6084, 0.2298,
0.3376


462.6833, 0.2674,
0.3347


 52.0227, 0.2215,
0.3380


 120.0760, 0.2426,
0.3368


 37.0232, 0.2113,
0.3384


 151.7266, 0.2477,
0.3364

 25.2254, 0.1987,
0.3386


 188.5010, 0.2521,
0.3361

 16.2451, 0.1827,
0.3385

 230.7836, 0.2559,
0.3357

 9.6977, 0.1618,
0.3378

278.9587, 0.2593,
0.3354

 5.1990, 0.1337,
0.3352

333.4108, 0.2623,

 2.3645, 0.0938,

0.3352

394.5242, 0.2649,
0.3349

0.3286

0.8075, 0.0000,
0.3206

0.0000, 0.0000,
0.0000

70.6084, 0.2298,
0.3376

70.6084, 0.2298,
0.3376

70.2218, 0.2281,
0.3387


71.3053, 0.2333,
0.3365


70.0857, 0.2276,
0.3394


72.3545, 0.2387,
0.3353

73.7995, 0.2460,
0.3342


75.6757, 0.2553,
0.3331

 78.0144, 0.2663,
0.3321

 80.8443, 0.2788,
0.3311

 84.1915, 0.2925,
0.3301

 88.0804, 0.3072,
0.3293

 91.8703, 0.3202,
0.3285

Harmonies

Analogous

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



70.6084, 0.2721, 0.3959



70.6084, 0.2298, 0.3376



70.6084, 0.2097, 0.2834

Triad

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



70.6084, 0.2298, 0.3376



70.6084, 0.2889, 0.2467



70.6084, 0.4199, 0.4004

Complementary

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



70.6084, 0.2298, 0.3376



20.7607, 0.6006, 0.3262

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.



70.6084, 0.4280, 0.3574



70.6084, 0.2298, 0.3376



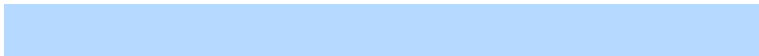
70.6084, 0.3481, 0.2734

Square

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



70.6084, 0.2298, 0.3376



70.6084, 0.2412, 0.2375



70.6084, 0.4011, 0.3125



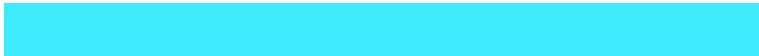
70.6084, 0.3823, 0.4304

Rectangle

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



70.6084, 0.2298, 0.3376



70.6084, 0.2098, 0.2579



70.6084, 0.4011, 0.3125



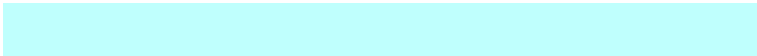
70.6084, 0.4264, 0.3869

Sweetspot

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



70.6110, 0.2298, 0.3376



89.7087, 0.2769, 0.3312



64.9343, 0.3029, 0.5828



18.9557, 0.2724, 0.3316



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.



70.6110, 0.2298, 0.3376



78.1892, 0.2276, 0.3395



29.2273, 0.1926, 0.1997



18.7474, 0.2985, 0.3298



38.4667, 0.2276, 0.3392



3.3839, 0.2272, 0.3378

Inverse Universe

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



20.7607, 0.6006, 0.3262



21.2792, 0.6377, 0.3286



35.4999, 0.5203, 0.4060



16.4917, 0.3288, 0.3282



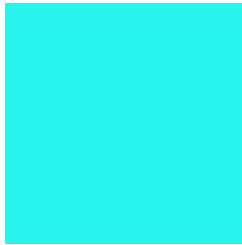
10.4719, 0.6365, 0.3280



0.9236, 0.6275, 0.3230

Previews

White Background



This preview shows how the Yxy color 70.6084, 0.2298, 0.3376 looks on a white background.

Color Contrast Check

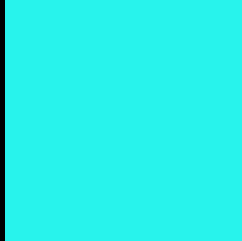
Large Text (above 18pt) WCAG AA × Fail

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 70.6084, 0.2298, 0.3376 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

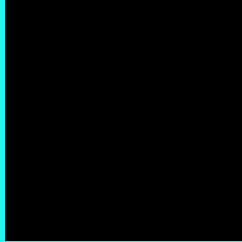
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

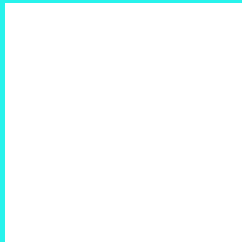
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.6084, 0.2298, 0.3376

Background



This preview shows how black text looks on a background with the Yxy color 70.6084, 0.2298, 0.3376.

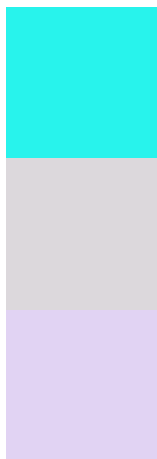


This preview shows how white text looks on a background with the Yxy color 70.6084, 0.2298, 0.3376.

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

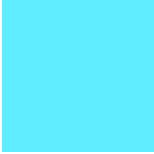
70.6084, 0.2298, 0.3376

Protanopia

69.4947, 0.3129, 0.3246

Deuteranopia

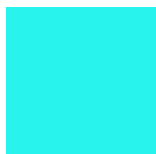
69.0671, 0.3014, 0.2952



Tritanopia

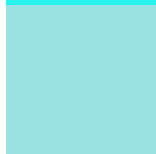
70.2213, 0.2320, 0.3071

Trichromacy



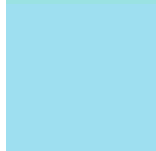
Original Color

70.6084, 0.2298, 0.3376



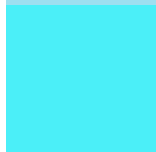
Protanomaly

66.7537, 0.2673, 0.3289



Deuteranomaly

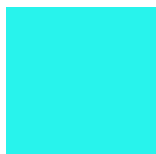
66.3357, 0.2617, 0.3088



Tritanomaly

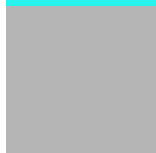
70.0062, 0.2301, 0.3177

Monochromacy



Original Color

70.6084, 0.2298, 0.3376



Achromatopsia

46.2077, 0.3127, 0.3290



Achromatomaly

52.1486, 0.2639, 0.3329

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.6084, 0.2298, 0.3376 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(40, 243, 236)` looks like.

```
.text, #text, p{  
    color:rgb(40, 243, 236)  
}
```

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(40, 243, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 243, 236) }
```

Border

The CSS property to change the border of an element to Yxy 70.6084, 0.2298, 0.3376 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(40, 243, 236) }
```

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

```
.border{ border-color:rgb(40, 243, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 243, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 243, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 243, 236);  
box-shadow:4px 4px 4px 4px rgb(40, 243,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 70.6084, 0.2298, 0.3376 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 243, 236) }
```

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

```
.background{ background-color: rgb(40, 243,  
236) }
```

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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