

Converting Colors

$Y_{xy}(70.2572, 0.2355, 0.3530)$

Have a look what the booklet for
Yxy(70.2572, 0.2355, 0.3530)
contains.

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Color

Yxy(70.1360, 0.2356, 0.3533)

Conversions

Conversions Part 1

Format	Color
Hex	31F3E0
RGB	49, 243, 224
RGB Percent	19%, 95%, 88%
CMY	0.8082, 0.0470, 0.1215
CMYK	0.80, 0.00, 0.08, 0.05
HSL	174°, 89%, 57%
HSV	174°, 80%, 95%
XYZ	46.7706, 70.1360, 81.6103
YIQ	182.8280, -109.5250, -47.0370

Conversions

Conversions Part 2

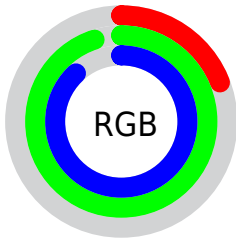
Format	Color
RYB	49, 151, 243
Decimal	3273696
CIELab	87.06, -49.50, -3.98
CIELCh	87, 49.656, 184.595
Yxy	70.1360, 0.2356, 0.3533
Android (android.graphics.Color)	4281463776 (0xFF31F3E0)
YUV	182.8280, 20.2978, -117.3672
Hunter-Lab	83.7472, -46.8702, 0.8460

Details

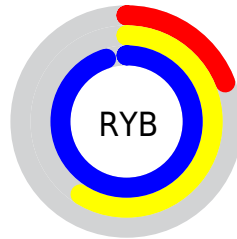
The Yxy color **70.1360, 0.2356, 0.3533** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **21.6608, 0.5722, 0.3170**, and the grayscale version is **47.1740, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.4071, 0.2478, 0.3288**, and **37.9824, 0.2326, 0.3574** is the 20% darker color. If you saturate the color by 10%, you get **69.5616, 0.2337, 0.3567**, and if you desaturate by 10%, it is **71.0425, 0.2394, 0.3499**.

Distribution



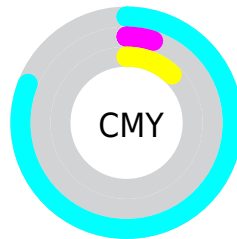
- Red (19%)
- Green (95%)
- Blue (88%)



- Red (19%)
- Yellow (59%)
- Blue (95%)



- Cyan (80%)
- Magenta (0%)
- Yellow (8%)
- Black (5%)





- Cyan (81%)
- Magenta (5%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.1360, 0.2356, 0.3533 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 70.1360, 0.2356, 0.3533 by changing the saturation by 10% instead.


 70.1360, 0.2356,
0.3533


 70.1360, 0.2356,
0.3533


461.0274, 0.2709,
0.3426


 51.6374, 0.2277,
0.3556


 119.4027, 0.2477,
0.3497

 36.7161, 0.2180,
0.3584


 150.9396, 0.2525,
0.3483

 24.9878, 0.2059,
0.3618


 187.5913, 0.2566,
0.3470

 16.0680, 0.1903,
0.3659

 229.7424, 0.2602,
0.3459

 9.5723, 0.1697,
0.3711

277.7771, 0.2633,
0.3449

 5.1163, 0.1415,
0.3776

332.0800, 0.2661,

 2.3157, 0.0980,

0.3441

0.3866

393.0352, 0.2686,
0.3433

0.7820, 0.0000,
0.4070

0.0000, 0.0000,
0.0000

70.1360, 0.2356,
0.3533

70.1360, 0.2356,
0.3533

69.5616, 0.2337,
0.3567

71.0425, 0.2394,
0.3499

69.2356, 0.2334,
0.3600

72.3190, 0.2451,
0.3465

69.2320, 0.2334,
0.3600


74.0068, 0.2527,
0.3432

76.1396, 0.2622,
0.3400

 78.7476, 0.2732,
0.3369

 81.8584, 0.2855,
0.3341

 85.4975, 0.2988,
0.3314

 89.6886, 0.3129,
0.3290

 91.9826, 0.3191,
0.3267

Harmonies

Analogous

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



70.1360, 0.2839, 0.4110



70.1360, 0.2356, 0.3533



70.1360, 0.2089, 0.2937

Triad

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



70.1360, 0.2356, 0.3533



70.1360, 0.2742, 0.2398



70.1360, 0.4292, 0.3923

Complementary

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



70.1360, 0.2356, 0.3533



21.6608, 0.5722, 0.3170

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.



70.1360, 0.4288, 0.3465



70.1360, 0.2356, 0.3533



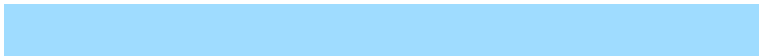
70.1360, 0.3340, 0.2633

Square

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



70.1360, 0.2356, 0.3533



70.1360, 0.2296, 0.2352



70.1360, 0.3928, 0.3010



70.1360, 0.3964, 0.4284

Rectangle

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



70.1360, 0.2356, 0.3533



70.1360, 0.2050, 0.2637



70.1360, 0.3928, 0.3010



70.1360, 0.4332, 0.3775

Sweetspot

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



70.1387, 0.2356, 0.3533



89.8034, 0.2802, 0.3352



65.5662, 0.3064, 0.5737



18.9606, 0.2758, 0.3363



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.



70.1387, 0.2356, 0.3533



77.3588, 0.2334, 0.3588



34.1651, 0.1999, 0.2206



18.7282, 0.2994, 0.3313



38.0062, 0.2332, 0.3595



3.3483, 0.2320, 0.3553

Inverse Universe

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



21.6608, 0.5722, 0.3170



21.5977, 0.6240, 0.3236



34.3390, 0.5206, 0.3968



16.5088, 0.3278, 0.3267



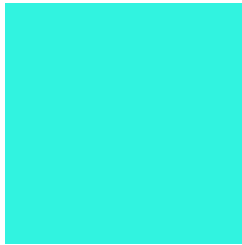
10.5022, 0.6289, 0.3238



0.9317, 0.6058, 0.3111

Previews

White Background



This preview shows how the Yxy color 70.1360, 0.2356, 0.3533 looks on a white background.

Color Contrast Check

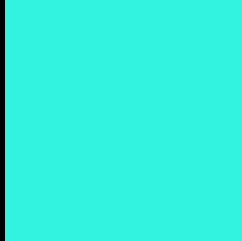
Large Text (above 18pt) WCAG AA × Fail

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 70.1360, 0.2356, 0.3533 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

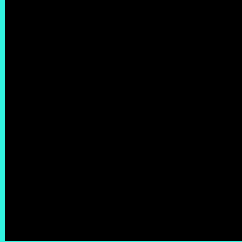
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.1360, 0.2356, 0.3533

Background



This preview shows how black text looks on a background with the Yxy color 70.1360, 0.2356, 0.3533.

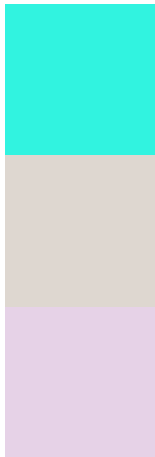


This preview shows how white text looks on a background with the Yxy color 70.1360, 0.2356, 0.3533.

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

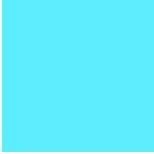
70.1360, 0.2356, 0.3533

Protanopia

68.6845, 0.3227, 0.3368

Deuteranopia

68.6857, 0.3130, 0.3067



Tritanopia

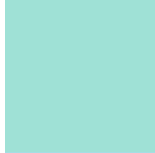
70.0637, 0.2312, 0.3071

Trichromacy



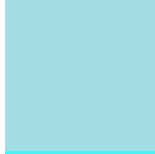
Original Color

70.1360, 0.2356, 0.3533



Protanomaly

66.0764, 0.2765, 0.3424



Deuteranomaly

65.7365, 0.2713, 0.3217



Tritanomaly

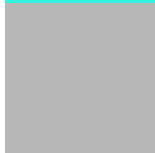
69.8012, 0.2319, 0.3226

Monochromacy



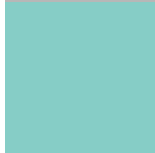
Original Color

70.1360, 0.2356, 0.3533



Achromatopsia

47.3531, 0.3127, 0.3290



Achromatomaly

52.8082, 0.2682, 0.3383

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.1360, 0.2356, 0.3533 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, 243, 224)` looks like.

```
.text, #text, p{  
    color:rgb(49, 243, 224)  
}
```

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, 243, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 243, 224) }
```

Border

The CSS property to change the border of an element to Yxy 70.1360, 0.2356, 0.3533 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, 243, 224) }
```

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

```
.border{ border-color:rgb(49, 243, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 243, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 243, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 243, 224);  
box-shadow:4px 4px 4px 4px rgb(49, 243,  
224) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 70.1360, 0.2356, 0.3533$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 243, 224) }
```

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

```
.background{ background-color: rgb(49, 243,  
224) }
```

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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