

Converting Colors

$Yxy(70.4919, 0.2436, 0.3559)$

Have a look what the booklet for
Yxy(70.4919, 0.2436, 0.3559)
contains.

Yxy(70.5186, 0.2435, 0.3557)	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(70.5186, 0.2435, 0.3557)

Conversions

Conversions Part 1

Format	Color
Hex	52F2DD
RGB	82, 242, 221
RGB Percent	32%, 95%, 87%
CMY	0.6788, 0.0509, 0.1334
CMYK	0.66, 0.00, 0.09, 0.05
HSL	172°, 86%, 64%
HSV	172°, 66%, 95%
XYZ	48.2746, 70.5186, 79.4598
YIQ	191.7660, -88.6190, -40.4510

Conversions

Conversions Part 2

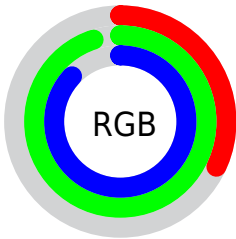
Format	Color
R _Y B	82, 168, 242
Decimal	5436125
CIE Lab	87.25, -46.12, -2.05
CIE LCh	87, 46.161, 182.539
Yxy	70.5186, 0.2435, 0.3557
Android (android.graphics.Color)	4283626205 (0xFF52F2DD)
YUV	191.7660, 14.4124, -96.2648
Hunter-Lab	83.9754, -44.3432, 2.6809

Details

The Yxy color **70.5186, 0.2435, 0.3557** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light muted cyan. A complement of this color would be **25.8788, 0.5036, 0.3097**, and the grayscale version is **52.5085, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.1296, 0.2557, 0.3288**, and **37.4511, 0.2336, 0.3611** is the 20% darker color. If you saturate the color by 10%, you get **69.4545, 0.2393, 0.3604**, and if you desaturate by 10%, it is **71.9736, 0.2497, 0.3511**.

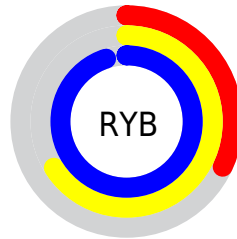
Distribution



Red (32%)

Green (95%)

Blue (87%)



Red (32%)

Yellow (66%)

Blue (95%)

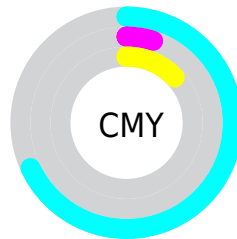


Cyan (66%)

Magenta (0%)

Yellow (9%)

Black (5%)



Cyan (68%)


Magenta (5%)


Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.5186, 0.2435, 0.3557 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 70.5186, 0.2435, 0.3557 by changing the saturation by 10% instead.


 70.5186, 0.2435,
0.3557

 70.5186, 0.2435,
0.3557


462.3688, 0.2753,
0.3436

 51.9494, 0.2363,
0.3584


 119.9480, 0.2545,
0.3516


 36.9648, 0.2275,
0.3616


 151.5771, 0.2588,
0.3499

 25.1802, 0.2164,
0.3657


 188.3282, 0.2625,
0.3485

 16.2114, 0.2022,
0.3709

 230.5858, 0.2657,
0.3473

 9.6739, 0.1831,
0.3776

278.7342, 0.2685,
0.3462

 5.1833, 0.1567,
0.3867


333.1580, 0.2710,


 2.3552, 0.1170,


0.3453


0.3996


394.2414, 0.2733,
0.3444

 0.8027, 0.0000,
0.4409

 0.0000, 0.0000,
0.0000

 70.5186, 0.2435,
0.3557


 70.5186, 0.2435,
0.3557


 69.4545, 0.2393,
0.3604


 71.9736, 0.2497,
0.3511


 68.7307, 0.2369,
0.3650


 73.8475, 0.2578,
0.3466

 68.2975, 0.2364,
0.3696


 76.1750, 0.2676,
0.3423


 68.1762, 0.2365,
0.3714

 78.9851, 0.2787,
0.3383

 82.3042, 0.2911,
0.3345

 86.1568, 0.3043,
0.3310

 90.5660, 0.3181,
0.3278

 91.4513, 0.3185,
0.3248

 91.6486, 0.3166,
0.3217

Harmonies

Analogous

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



70.5186, 0.2899, 0.4074



70.5186, 0.2435, 0.3557



70.5186, 0.2167, 0.3000

Triad

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



70.5186, 0.2435, 0.3557



70.5186, 0.2736, 0.2446



70.5186, 0.4221, 0.3860

Complementary

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



70.5186, 0.2435, 0.3557



25.8788, 0.5036, 0.3097

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.



70.5186, 0.4191, 0.3429



70.5186, 0.2435, 0.3557



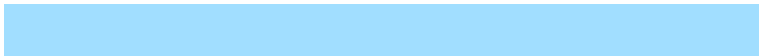
70.5186, 0.3287, 0.2655

Square

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



70.5186, 0.2435, 0.3557



70.5186, 0.2329, 0.2417



70.5186, 0.3837, 0.3004



70.5186, 0.3938, 0.4201

Rectangle

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



70.5186, 0.2435, 0.3557



70.5186, 0.2118, 0.2709



70.5186, 0.3837, 0.3004



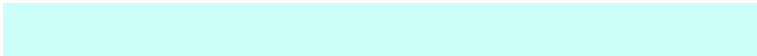
70.5186, 0.4249, 0.3721

Sweetspot

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



70.5213, 0.2435, 0.3557



91.1534, 0.2862, 0.3359



67.0187, 0.3118, 0.5371



19.2862, 0.2827, 0.3370



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.



70.5213, 0.2435, 0.3557



77.9232, 0.2383, 0.3618



42.1960, 0.2161, 0.2498



17.8911, 0.2998, 0.3321



36.6350, 0.2363, 0.3706



3.0575, 0.2346, 0.3645

Inverse Universe

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



25.8788, 0.5036, 0.3097



24.4360, 0.5610, 0.3116



38.4238, 0.4814, 0.3885



15.7926, 0.3273, 0.3259



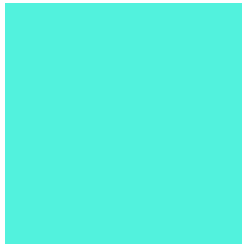
10.2075, 0.6230, 0.3206



0.8598, 0.5934, 0.3043

Previews

White Background



This preview shows how the Yxy color 70.5186, 0.2435, 0.3557 looks on a white background.

Color Contrast Check

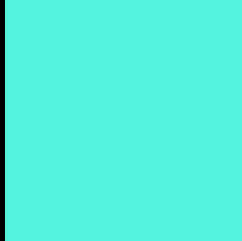
Large Text (above 18pt) WCAG AA × Fail

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 70.5186, 0.2435, 0.3557 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

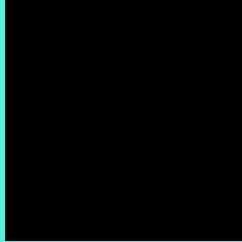
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.5186, 0.2435, 0.3557

Background



This preview shows how black text looks on a background with the Yxy color 70.5186, 0.2435, 0.3557.

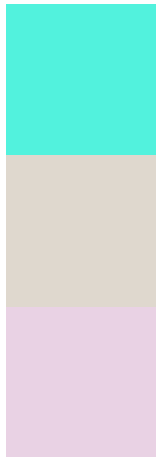


This preview shows how white text looks on a background with the Yxy color 70.5186, 0.2435, 0.3557.

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

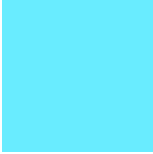
70.5186, 0.2435, 0.3557

Protanopia

69.2559, 0.3247, 0.3401

Deuteranopia

69.0183, 0.3173, 0.3100



Tritanopia

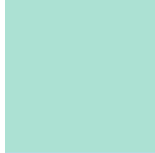
70.2142, 0.2348, 0.3061

Trichromacy



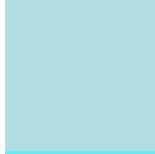
Original Color

70.5186, 0.2435, 0.3557



Protanomaly

67.3242, 0.2861, 0.3458



Deuteranomaly

67.1438, 0.2814, 0.3254



Tritanomaly

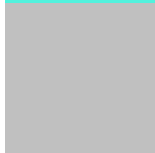
70.1615, 0.2377, 0.3226

Monochromacy



Original Color

70.5186, 0.2435, 0.3557



Achromatopsia

52.7115, 0.3127, 0.3290



Achromatomaly

57.0804, 0.2769, 0.3379

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.5186, 0.2435, 0.3557 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(82, 242, 221)` looks like.

```
.text, #text, p{  
  color:rgb(82, 242, 221)  
}
```

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(82, 242, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 242, 221) }
```

Border

The CSS property to change the border of an element to Yxy 70.5186, 0.2435, 0.3557 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(82, 242, 221) }
```

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

```
.border{ border-color:rgb(82, 242, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 242, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 242, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 242, 221);  
box-shadow:4px 4px 4px 4px rgb(82, 242,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 70.5186, 0.2435, 0.3557 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 242, 221) }
```

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

```
.background{ background-color: rgb(82, 242,  
221) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor