

Converting Colors

$Y_{xy}(70.6248, 0.2588, 0.3672)$

Have a look what the booklet for
Yxy(70.6248, 0.2588, 0.3672)
contains.

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Color

Yxy(70.5507, 0.2587, 0.3670)

Conversions

Conversions Part 1

Format	Color
Hex	72F0D2
RGB	114, 240, 210
RGB Percent	45%, 94%, 82%
CMY	0.5529, 0.0588, 0.1766
CMYK	0.52, 0.00, 0.13, 0.06
HSL	166°, 81%, 69%
HSV	166°, 52%, 94%
XYZ	49.7315, 70.5507, 71.9540
YIQ	198.9060, -65.4660, -36.0420

Conversions

Conversions Part 2

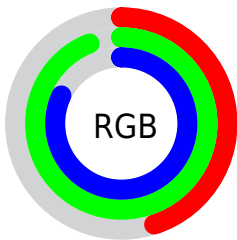
Format	Color
RYB	114, 186, 240
Decimal	7532754
CIELab	87.27, -42.21, 3.84
CIELCh	87, 42.384, 174.802
Yxy	70.5507, 0.2587, 0.3670
Android (android.graphics.Color)	4285722834 (0xFF72F0D2)
YUV	198.9060, 5.4693, -74.4626
Hunter-Lab	83.9945, -41.3039, 8.0052

Details

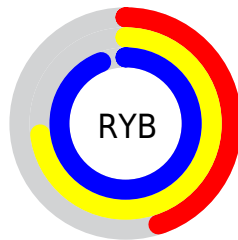
The Yxy color **70.5507, 0.2587, 0.3670** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **32.5801, 0.4280, 0.2968**, and the grayscale version is **57.0520, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.7387, 0.2671, 0.3289**, and **36.8957, 0.2456, 0.3751** is the 20% darker color. If you saturate the color by 10%, you get **68.8694, 0.2526, 0.3757**, and if you desaturate by 10%, it is **72.6700, 0.2665, 0.3587**.

Distribution



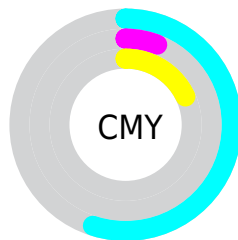
- Red (45%)
- Green (94%)
- Blue (82%)



- Red (45%)
- Yellow (73%)
- Blue (94%)



- Cyan (52%)
- Magenta (0%)
- Yellow (13%)
- Black (6%)





- Cyan (55%)
- Magenta (6%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.5507, 0.2587, 0.3670 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 70.5507, 0.2587, 0.3670 by changing the saturation by 10% instead.

 70.5507, 0.2587,
0.3670


 70.5507, 0.2587,
0.3670


462.4813, 0.2839,
0.3491

 51.9756, 0.2529,
0.3712


 119.9938, 0.2675,
0.3607

 36.9856, 0.2458,
0.3764


 151.6305, 0.2708,
0.3583

 25.1964, 0.2367,
0.3831


 188.3900, 0.2738,
0.3562

 16.2234, 0.2249,
0.3919

230.6565, 0.2763,
0.3544

 9.6824, 0.2088,
0.4041

278.8145, 0.2785,
0.3528

 5.1889, 0.1858,
0.4221

333.2483, 0.2805,

 2.3585, 0.1503,

0.3514

394.3425, 0.2823,
0.3502

0.4509

0.8044, 0.0000,
0.5698

0.0000, 0.0000,
0.0000

70.5507, 0.2587,
0.3670

70.5507, 0.2587,
0.3670

68.8694, 0.2526,
0.3757

72.6700, 0.2665,
0.3587

67.5837, 0.2485,
0.3846

75.2490, 0.2758,
0.3508


66.6575, 0.2463,
0.3935


78.3181, 0.2863,
0.3434


66.0435, 0.2461,
0.4024

81.9026, 0.2977,
0.3366

 65.7334, 0.2470,
0.4090

 86.0259, 0.3097,
0.3304

 90.1325, 0.3200,
0.3249

 90.4860, 0.3164,
0.3194

 90.8027, 0.3134,
0.3146

Harmonies

Analogous

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



70.5507, 0.3049, 0.4090



70.5507, 0.2587, 0.3670



70.5507, 0.2284, 0.3151

Triad

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



70.5507, 0.2587, 0.3670



70.5507, 0.2654, 0.2483



70.5507, 0.4156, 0.3725

Complementary

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



70.5507, 0.2587, 0.3670



32.5801, 0.4280, 0.2968

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.



70.5507, 0.4045, 0.3319



70.5507, 0.2587, 0.3670



70.5507, 0.3139, 0.2638

Square

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



70.5507, 0.2587, 0.3670



70.5507, 0.2323, 0.2508



70.5507, 0.3660, 0.2934



70.5507, 0.3966, 0.4067

Rectangle

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



70.5507, 0.2587, 0.3670



70.5507, 0.2199, 0.2854



70.5507, 0.3660, 0.2934



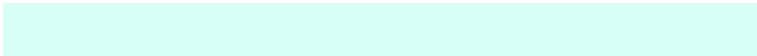
70.5507, 0.4154, 0.3592

Sweetspot

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



70.5535, 0.2587, 0.3670



92.4557, 0.2936, 0.3390



69.6048, 0.3226, 0.4884



19.6064, 0.2912, 0.3404



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.



70.5535, 0.2587, 0.3670



78.9130, 0.2523, 0.3763



55.2302, 0.2371, 0.2887



17.8608, 0.3013, 0.3347



36.0038, 0.2466, 0.4076



3.0105, 0.2433, 0.3959

Inverse Universe

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



32.5801, 0.4280, 0.2968



31.0113, 0.4671, 0.2928



40.1502, 0.4454, 0.3636



15.8206, 0.3256, 0.3234



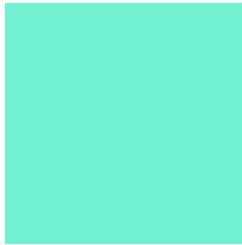
10.3210, 0.5965, 0.3060



0.8737, 0.5599, 0.2858

Previews

White Background



This preview shows how the Yxy color 70.5507, 0.2587, 0.3670 looks on a white background.

Color Contrast Check

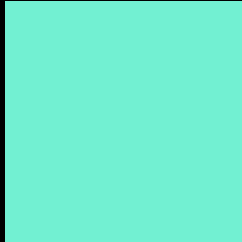
Large Text (above 18pt) WCAG AA × Fail

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 70.5507, 0.2587, 0.3670 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

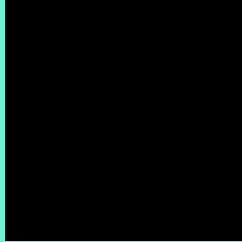
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.5507, 0.2587, 0.3670

Background



This preview shows how black text looks on a background with the Yxy color 70.5507, 0.2587, 0.3670.

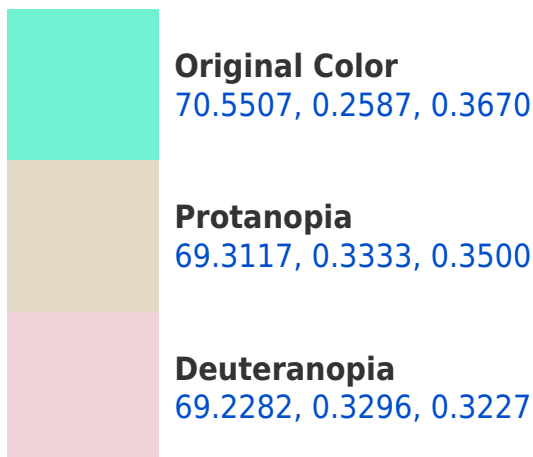


This preview shows how white text looks on a background with the Yxy color 70.5507, 0.2587, 0.3670.

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





Tritanopia

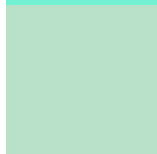
70.5267, 0.2435, 0.3064

Trichromacy



Original Color

70.5507, 0.2587, 0.3670



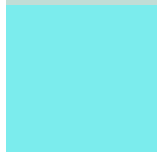
Protanomaly

68.4290, 0.2999, 0.3563



Deuteranomaly

67.9054, 0.2978, 0.3371



Tritanomaly

70.3163, 0.2490, 0.3276

Monochromacy



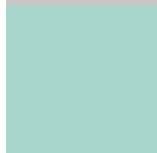
Original Color

70.5507, 0.2587, 0.3670



Achromatopsia

57.1125, 0.3127, 0.3290



Achromatomaly

60.7298, 0.2876, 0.3426

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.5507, 0.2587, 0.3670 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(114, 240, 210)` looks like.

```
.text, #text, p{  
    color:rgb(114, 240, 210)  
}
```

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(114, 240, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 240, 210) }
```

Border

The CSS property to change the border of an element to Yxy 70.5507, 0.2587, 0.3670 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(114, 240, 210) }
```

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

```
.border{ border-color:rgb(114, 240, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 240, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 240, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 240, 210);  
box-shadow:4px 4px 4px 4px rgb(114, 240,  
210) }
```


Background

The CSS property to change the background color of an element to Yxy 70.5507, 0.2587, 0.3670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 240, 210) }
```

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

```
.background{ background-color: rgb(114,  
240, 210) }
```

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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