

Converting Colors

$Y_{xy}(70.4540, 0.2569, 0.3513)$

Have a look what the booklet for
Yxy(70.4540, 0.2569, 0.3513)
contains.

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Color

Yxy(70.4540, 0.2569, 0.3513)

Conversions

Conversions Part 1

Format	Color
Hex	7AEEDC
RGB	122, 238, 220
RGB Percent	48%, 93%, 86%
CMY	0.5213, 0.0667, 0.1373
CMYK	0.49, 0.00, 0.08, 0.07
HSL	171°, 77%, 71%
HSV	171°, 49%, 93%
XYZ	51.5219, 70.4540, 78.5764
YIQ	201.2640, -63.3580, -30.1900

Conversions

Conversions Part 2

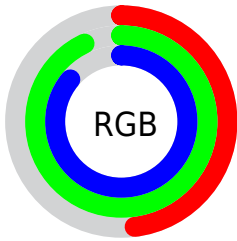
Format	Color
RYB	122, 185, 238
Decimal	8056540
CIELab	87.22, -37.23, -1.43
CIElCh	87, 37.256, 182.200
Yxy	70.4540, 0.2569, 0.3513
Android (android.graphics.Color)	4286246620 (0xFF7AEEDC)
YUV	201.2640, 9.2368, -69.5145
Hunter-Lab	83.9369, -37.3232, 3.2523

Details

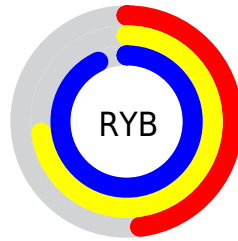
The Yxy color **70.4540, 0.2569, 0.3513** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **34.0062, 0.4273, 0.3094**, and the grayscale version is **58.5609, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.5638, 0.2706, 0.3289**, and **37.1023, 0.2438, 0.3573** is the 20% darker color. If you saturate the color by 10%, you get **68.7321, 0.2495, 0.3567**, and if you desaturate by 10%, it is **72.6111, 0.2660, 0.3461**.

Distribution



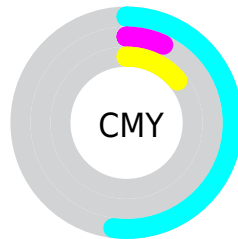
- Red (48%)
- Green (93%)
- Blue (86%)



- Red (48%)
- Yellow (73%)
- Blue (93%)



- Cyan (49%)
- Magenta (0%)
- Yellow (8%)
- Black (7%)





- Cyan (52%)
- Magenta (7%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.4540, 0.2569, 0.3513 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 70.4540, 0.2569, 0.3513 by changing the saturation by 10% instead.

 70.4540, 0.2569,
0.3513

 70.4540, 0.2569,
0.3513


462.1425, 0.2827,
0.3411


 51.8967, 0.2510,
0.3536


 119.8560, 0.2658,
0.3478

 36.9228, 0.2438,
0.3564

 151.4695, 0.2693,
0.3464

 25.1477, 0.2347,
0.3599


 188.2038, 0.2723,
0.3452

 16.1871, 0.2229,
0.3644

230.4434, 0.2749,
0.3442

 9.6567, 0.2070,
0.3705

278.5727, 0.2772,
0.3433

 5.1719, 0.1845,
0.3788

332.9761, 0.2792,

 2.3485, 0.1506,

0.3425

0.3910

394.0379, 0.2810,
0.3418

0.7992, 0.0000,
0.4517

0.0000, 0.0000,
0.0000

70.4540, 0.2569,
0.3513

70.4540, 0.2569,
0.3513

68.7321, 0.2495,
0.3567

72.6111, 0.2660,
0.3461

67.4056, 0.2439,
0.3622


75.2237, 0.2767,
0.3412

66.4412, 0.2404,
0.3678


78.3204, 0.2885,
0.3366

65.7964, 0.2387,
0.3734

81.9253, 0.3012,
0.3324


 65.4082, 0.2387,
0.3789


 86.0608, 0.3144,
0.3285

 65.3661, 0.2388,
0.3796

 88.8302, 0.3214,
0.3250

 89.0550, 0.3191,
0.3214

 89.2843, 0.3168,
0.3178

 89.5182, 0.3145,
0.3143

Harmonies

Analogous

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



70.4540, 0.2954, 0.3915



70.4540, 0.2569, 0.3513



70.4540, 0.2340, 0.3070

Triad

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



70.4540, 0.2569, 0.3513



70.4540, 0.2807, 0.2591



70.4540, 0.4016, 0.3766

Complementary

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



70.4540, 0.2569, 0.3513



34.0062, 0.4273, 0.3094

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.



70.4540, 0.3982, 0.3412



70.4540, 0.2569, 0.3513



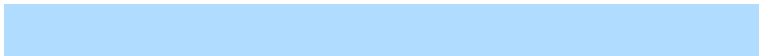
70.4540, 0.3255, 0.2764

Square

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



70.4540, 0.2569, 0.3513



70.4540, 0.2470, 0.2574



70.4540, 0.3696, 0.3056



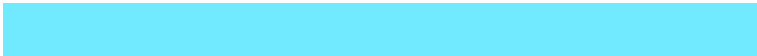
70.4540, 0.3796, 0.4033

Rectangle

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



70.4540, 0.2569, 0.3513



70.4540, 0.2296, 0.2829



70.4540, 0.3696, 0.3056



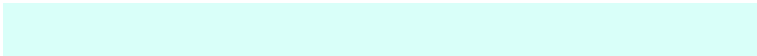
70.4540, 0.4035, 0.3653

Sweetspot

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



70.4568, 0.2569, 0.3513



93.0764, 0.2930, 0.3350



68.2517, 0.3165, 0.4786



19.7378, 0.2904, 0.3359



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.



70.4568, 0.2569, 0.3513



80.4787, 0.2498, 0.3564



51.3241, 0.2393, 0.2793



17.8843, 0.3002, 0.3327



36.4836, 0.2385, 0.3787



3.0464, 0.2365, 0.3714

Inverse Universe

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



34.0062, 0.4273, 0.3094



33.4104, 0.4642, 0.3068



44.9705, 0.4259, 0.3722



15.7989, 0.3269, 0.3254



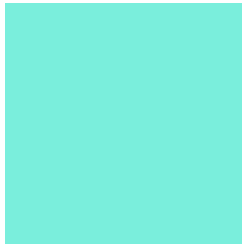
10.2275, 0.6181, 0.3179



0.8627, 0.5858, 0.3001

Previews

White Background



This preview shows how the Yxy color 70.4540, 0.2569, 0.3513 looks on a white background.

Color Contrast Check

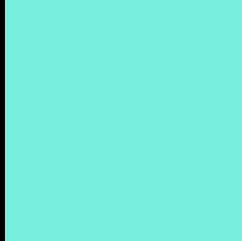
Large Text (above 18pt) WCAG AA × Fail

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 70.4540, 0.2569, 0.3513 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

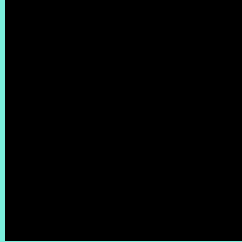
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.4540, 0.2569, 0.3513

Background



This preview shows how black text looks on a background with the Yxy color 70.4540, 0.2569, 0.3513.

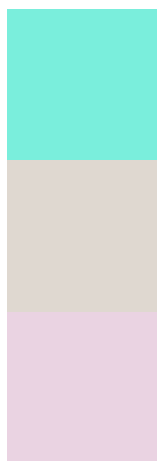


This preview shows how white text looks on a background with the Yxy color 70.4540, 0.2569, 0.3513.

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

70.4540, 0.2569, 0.3513

Protanopia

69.3538, 0.3233, 0.3378

Deuteranopia

69.5719, 0.3194, 0.3132



Tritanopia

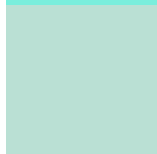
70.2116, 0.2454, 0.3064

Trichromacy



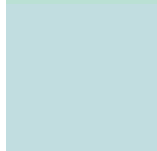
Original Color

70.4540, 0.2569, 0.3513



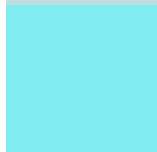
Protanomaly

68.5039, 0.2944, 0.3430



Deuteranomaly

68.4322, 0.2916, 0.3255



Tritanomaly

70.2971, 0.2495, 0.3228

Monochromacy



Original Color

70.4540, 0.2569, 0.3513



Achromatopsia

58.4078, 0.3127, 0.3290



Achromatomaly

61.4179, 0.2872, 0.3363

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.4540, 0.2569, 0.3513 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(122, 238, 220)` looks like.

```
.text, #text, p{  
    color:rgb(122, 238, 220)  
}
```

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(122, 238, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 238, 220) }
```

Border

The CSS property to change the border of an element to Yxy 70.4540, 0.2569, 0.3513 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(122, 238, 220) }
```

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

```
.border{ border-color:rgb(122, 238, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 238, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 238, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 238, 220);  
box-shadow:4px 4px 4px 4px rgb(122, 238,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 70.4540, 0.2569, 0.3513 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 238, 220) }
```

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

```
.background{ background-color: rgb(122,  
238, 220) }
```

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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