

Converting Colors

$Y_{xy}(74.4685, 0.2545, 0.3546)$

Have a look what the booklet for
Yxy(74.4685, 0.2545, 0.3546)
contains.

Yxy(74.4685, 0.2545, 0.3546)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(74.4685, 0.2545, 0.3546)

Conversions

Conversions Part 1

Format	Color
Hex	75F5E0
RGB	117, 245, 224
RGB Percent	46%, 96%, 88%
CMY	0.5411, 0.0392, 0.1215
CMYK	0.52, 0.00, 0.09, 0.04
HSL	170°, 86%, 71%
HSV	170°, 52%, 96%
XYZ	53.4468, 74.4685, 82.0918
YIQ	204.3340, -69.5470, -33.6670

Conversions

Conversions Part 2

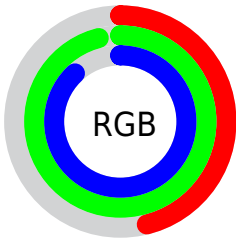
Format	Color
RYB	117, 187, 245
Decimal	7730656
CIELab	89.14, -40.51, -0.75
CIElCh	89, 40.515, 181.058
Yxy	74.4685, 0.2545, 0.3546
Android (android.graphics.Color)	4285920736 (0xFF75F5E0)
YUV	204.3340, 9.6953, -76.5919
Hunter-Lab	86.2951, -40.4627, 4.0046

Details

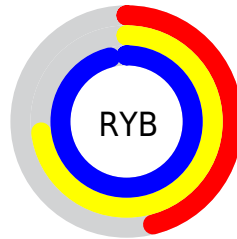
The Yxy color **74.4685, 0.2545, 0.3546** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **33.9751, 0.4394, 0.3071**, and the grayscale version is **60.5816, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.0871, 0.2686, 0.3289**, and **39.5091, 0.2411, 0.3600** is the 20% darker color. If you saturate the color by 10%, you get **72.7749, 0.2478, 0.3604**, and if you desaturate by 10%, it is **76.6171, 0.2630, 0.3490**.

Distribution



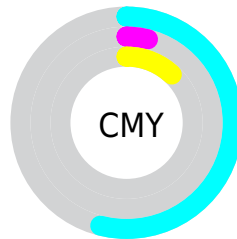
- Red (46%)
- Green (96%)
- Blue (88%)



- Red (46%)
- Yellow (73%)
- Blue (96%)



- Cyan (52%)
- Magenta (0%)
- Yellow (9%)
- Black (4%)





- Cyan (54%)
- Magenta (4%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 74.4685, 0.2545, 0.3546 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 74.4685, 0.2545, 0.3546 by changing the saturation by 10% instead.


 74.4685, 0.2545,
0.3546


 74.4685, 0.2545,
0.3546


476.0887, 0.2811,
0.3430

 55.1776, 0.2485,
0.3572


 125.5597, 0.2637,
0.3506

 39.5439, 0.2412,
0.3604


 158.1288, 0.2672,
0.3490

 27.1831, 0.2320,
0.3644


 195.8927, 0.2703,
0.3477

 17.7108, 0.2201,
0.3695

239.2359, 0.2730,
0.3465

 10.7426, 0.2042,
0.3763

288.5427, 0.2754,
0.3455

 5.8940, 0.1820,
0.3857

344.1975, 0.2775,

 2.7807, 0.1493,

0.3445

0.3995

406.5847, 0.2794,
0.3437

1.0184, 0.0000,
0.4659

0.0000, 0.0000,
0.0000

74.4685, 0.2545,
0.3546

74.4685, 0.2545,
0.3546

72.7749, 0.2478,
0.3604

76.6171, 0.2630,
0.3490

71.4921, 0.2430,
0.3663


79.2436, 0.2731,
0.3437


70.5821, 0.2402,
0.3722

82.3797, 0.2844,
0.3387


69.9957, 0.2393,
0.3781

86.0518, 0.2967,
0.3341

 69.7050, 0.2396,
0.3826

 90.2846, 0.3097,
0.3299

 93.3497, 0.3173,
0.3260

 93.6019, 0.3149,
0.3222

 93.7851, 0.3132,
0.3194

Harmonies

Analogous

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



74.4685, 0.2958, 0.3973



74.4685, 0.2545, 0.3546



74.4685, 0.2296, 0.3068

Triad

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



74.4685, 0.2545, 0.3546



74.4685, 0.2769, 0.2545



74.4685, 0.4079, 0.3779

Complementary

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



74.4685, 0.2545, 0.3546



33.9751, 0.4394, 0.3071

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.



74.4685, 0.4034, 0.3401



74.4685, 0.2545, 0.3546



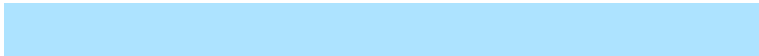
74.4685, 0.3244, 0.2722

Square

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



74.4685, 0.2545, 0.3546



74.4685, 0.2419, 0.2532



74.4685, 0.3719, 0.3026



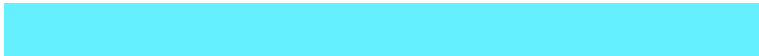
74.4685, 0.3851, 0.4072

Rectangle

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



74.4685, 0.2545, 0.3546



74.4685, 0.2245, 0.2809



74.4685, 0.3719, 0.3026



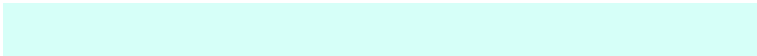
74.4685, 0.4096, 0.3658

Sweetspot

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



74.4714, 0.2545, 0.3546



92.6429, 0.2919, 0.3358



72.0232, 0.3163, 0.4909



19.6514, 0.2894, 0.3368



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.



74.4714, 0.2545, 0.3546



79.5567, 0.2473, 0.3609



52.7771, 0.2345, 0.2749



18.7084, 0.3002, 0.3329



37.5690, 0.2394, 0.3817



3.3141, 0.2373, 0.3743

Inverse Universe

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



33.9751, 0.4394, 0.3071



30.7006, 0.4834, 0.3047



45.7285, 0.4377, 0.3749



16.5268, 0.3268, 0.3251



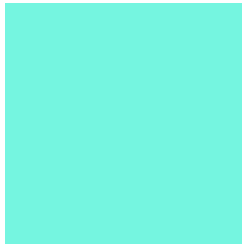
10.5543, 0.6164, 0.3169



0.9402, 0.5852, 0.2998

Previews

White Background



This preview shows how the Yxy color 74.4685, 0.2545, 0.3546 looks on a white background.

Color Contrast Check

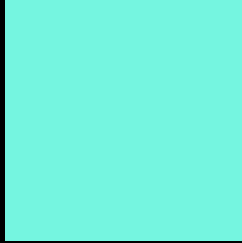
Large Text (above 18pt) WCAG AA × Fail

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 74.4685, 0.2545, 0.3546 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 74.4685, 0.2545, 0.3546

Background



This preview shows how black text looks on a background with the Yxy color 74.4685, 0.2545, 0.3546.

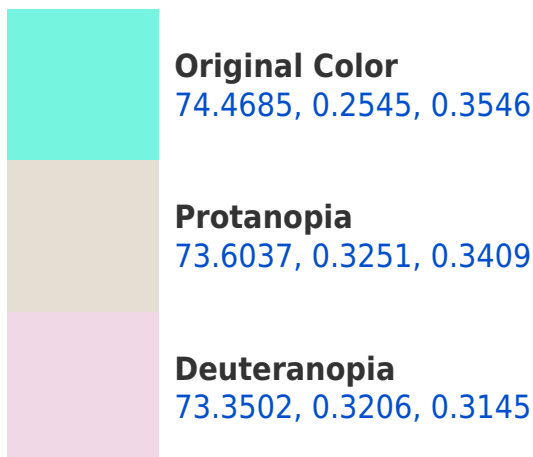


This preview shows how white text looks on a background with the Yxy color 74.4685, 0.2545, 0.3546.

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

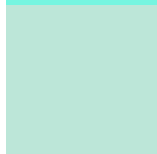
74.2984, 0.2503, 0.3093

Trichromacy



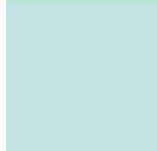
Original Color

74.4685, 0.2545, 0.3546



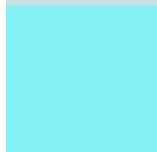
Protanomaly

72.2429, 0.2934, 0.3451



Deuteranomaly

72.1417, 0.2907, 0.3278



Tritanomaly

74.5106, 0.2515, 0.3253

Monochromacy



Original Color

74.4685, 0.2545, 0.3546



Achromatopsia

60.3827, 0.3127, 0.3290



Achromatomaly

64.1368, 0.2857, 0.3386

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.4685, 0.2545, 0.3546 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(117, 245, 224)` looks like.

```
.text, #text, p{  
    color:rgb(117, 245, 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(117, 245, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 245, 224) }
```

Border

The CSS property to change the border of an element to Yxy 74.4685, 0.2545, 0.3546 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(117, 245, 224) }
```

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

```
.border{ border-color:rgb(117, 245, 224) }
```

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

Here you see how a box with a 4 pixel rgb(117, 245, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 245, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 245, 224);  
box-shadow:4px 4px 4px 4px rgb(117, 245,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 74.4685, 0.2545, 0.3546 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 245, 224) }
```

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

```
.background{ background-color: rgb(117,  
245, 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](#).

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