

Converting Colors

$Y_{xy}(75.5899, 0.2529, 0.3545)$

Have a look what the booklet for
Yxy(75.5899, 0.2529, 0.3545)
contains.

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Color

Yxy(75.5899, 0.2529, 0.3545)

Conversions

Conversions Part 1

Format	Color
Hex	72F7E2
RGB	114, 247, 226
RGB Percent	45%, 97%, 89%
CMY	0.5531, 0.0313, 0.1136
CMYK	0.54, 0.00, 0.08, 0.03
HSL	171°, 89%, 71%
HSV	171°, 54%, 97%
XYZ	53.9258, 75.5899, 83.7139
YIQ	204.8390, -72.5270, -34.7270

Conversions

Conversions Part 2

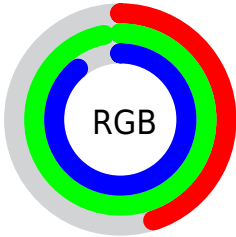
Format	Color
RYB	114, 186, 247
Decimal	7534562
CIELab	89.67, -41.54, -1.03
CIElCh	90, 41.555, 181.426
Yxy	75.5899, 0.2529, 0.3545
Android (android.graphics.Color)	4285724642 (0xFF72F7E2)
YUV	204.8390, 10.4324, -79.6658
Hunter-Lab	86.9425, -41.4353, 3.7714

Details

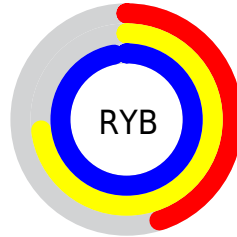
The Yxy color **75.5899, 0.2529, 0.3545** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **33.5495, 0.4468, 0.3075**, and the grayscale version is **60.9061, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.8540, 0.2676, 0.3289**, and **40.3027, 0.2393, 0.3598** is the 20% darker color. If you saturate the color by 10%, you get **73.9433, 0.2465, 0.3601**, and if you desaturate by 10%, it is **77.6944, 0.2612, 0.3491**.

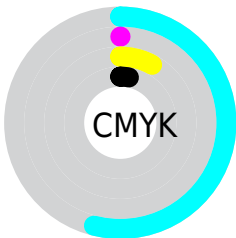
Distribution



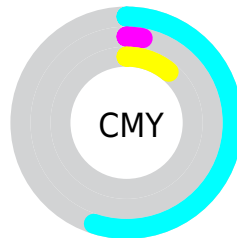
- Red (45%)
- Green (97%)
- Blue (89%)



- Red (45%)
- Yellow (73%)
- Blue (97%)



- Cyan (54%)
- Magenta (0%)
- Yellow (8%)
- Black (3%)





- Cyan (55%)
- Magenta (3%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 75.5899, 0.2529, 0.3545 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 75.5899, 0.2529, 0.3545 by changing the saturation by 10% instead.


 75.5899, 0.2529,
0.3545

 75.5899, 0.2529,
0.3545


479.9427, 0.2801,
0.3430

 56.0963, 0.2468,
0.3571

 127.1470, 0.2623,
0.3506

 40.2801, 0.2393,
0.3602


 159.9794, 0.2659,
0.3490

 27.7570, 0.2300,
0.3641


 198.0267, 0.2691,
0.3477

 18.1426, 0.2179,
0.3691

241.6735, 0.2719,
0.3465

 11.0524, 0.2019,
0.3757

291.3041, 0.2743,
0.3455

 6.1021, 0.1796,
0.3848


347.3029, 0.2765,


 2.9073, 0.1469,


0.3445


0.3978


410.0543, 0.2784,
0.3437

 1.0835, 0.0014,
0.4608


 0.0000, 0.0000,
0.0000


 75.5899, 0.2529,
0.3545


 75.5899, 0.2529,
0.3545


 73.9433, 0.2465,
0.3601


 77.6944, 0.2612,
0.3491


 72.7086, 0.2420,
0.3657


 80.2806, 0.2711,
0.3439


 71.8462, 0.2394,
0.3714

 83.3814, 0.2823,
0.3391

 71.3036, 0.2388,
0.3771

 87.0240, 0.2945,
0.3346

 71.0821, 0.2390,
0.3805

 91.2340, 0.3075,
0.3305

 94.6502, 0.3164,
0.3267

 94.8964, 0.3141,
0.3230

 95.0057, 0.3131,
0.3214

Harmonies

Analogous

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



75.5899, 0.2948, 0.3984



75.5899, 0.2529, 0.3545



75.5899, 0.2279, 0.3058

Triad

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



75.5899, 0.2529, 0.3545



75.5899, 0.2767, 0.2532



75.5899, 0.4097, 0.3792

Complementary

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



75.5899, 0.2529, 0.3545



33.5495, 0.4468, 0.3075

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.



75.5899, 0.4055, 0.3407



75.5899, 0.2529, 0.3545



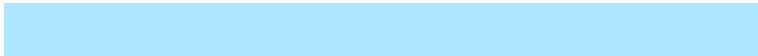
75.5899, 0.3252, 0.2715

Square

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



75.5899, 0.2529, 0.3545



75.5899, 0.2408, 0.2517



75.5899, 0.3736, 0.3025



75.5899, 0.3861, 0.4090

Rectangle

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



75.5899, 0.2529, 0.3545



75.5899, 0.2228, 0.2794



75.5899, 0.3736, 0.3025



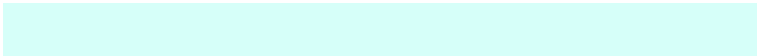
75.5899, 0.4116, 0.3668

Sweetspot

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



75.5929, 0.2529, 0.3545



92.6587, 0.2918, 0.3355



72.9855, 0.3161, 0.4965



19.6552, 0.2892, 0.3365



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.



75.5929, 0.2529, 0.3545



79.3053, 0.2458, 0.3608



52.8417, 0.2324, 0.2728



18.7103, 0.3002, 0.3328



37.6081, 0.2388, 0.3796



3.3172, 0.2368, 0.3725

Inverse Universe

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



33.5495, 0.4468, 0.3075



29.6933, 0.4934, 0.3055



45.5494, 0.4432, 0.3761



16.5251, 0.3269, 0.3253



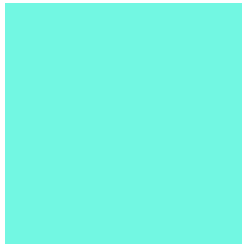
10.5484, 0.6178, 0.3177



0.9394, 0.5871, 0.3008

Previews

White Background



This preview shows how the Yxy color 75.5899, 0.2529, 0.3545 looks on a white background.

Color Contrast Check

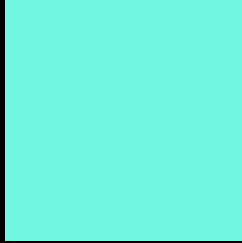
Large Text (above 18pt) WCAG AA × Fail

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 75.5899, 0.2529, 0.3545 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

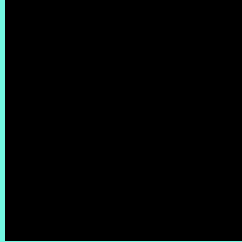
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 75.5899, 0.2529, 0.3545

Background



This preview shows how black text looks on a background with the Yxy color 75.5899, 0.2529, 0.3545.

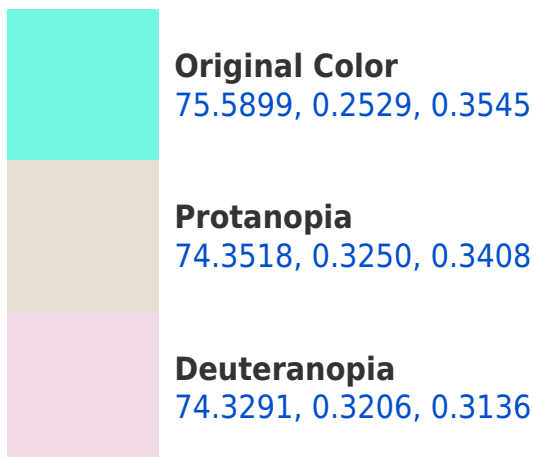


This preview shows how white text looks on a background with the Yxy color 75.5899, 0.2529, 0.3545.

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

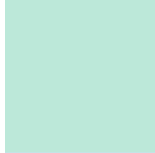
75.4370, 0.2532, 0.3106

Trichromacy



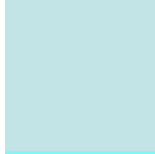
Original Color

75.5899, 0.2529, 0.3545



Protanomaly

73.4143, 0.2929, 0.3462



Deuteranomaly

72.8021, 0.2896, 0.3267



Tritanomaly

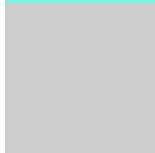
75.3543, 0.2530, 0.3265

Monochromacy



Original Color

75.5899, 0.2529, 0.3545



Achromatopsia

61.0496, 0.3127, 0.3290



Achromatomaly

64.7612, 0.2845, 0.3374

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.5899, 0.2529, 0.3545 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, 247, 226)` looks like.

```
.text, #text, p{  
    color:rgb(114, 247, 226)  
}
```

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, 247, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 247, 226) }
```

Border

The CSS property to change the border of an element to Yxy 75.5899, 0.2529, 0.3545 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, 247, 226) }
```

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

```
.border{ border-color:rgb(114, 247, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 247, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 247, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 247, 226);  
box-shadow:4px 4px 4px 4px rgb(114, 247,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 75.5899, 0.2529, 0.3545 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 247, 226) }
```

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

```
.background{ background-color: rgb(114,  
247, 226) }
```

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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