

# Converting Colors

$Y_{xy}(76.7380, 0.2523, 0.3540)$

Have a look what the booklet for  
Yxy(76.7380, 0.2523, 0.3540)  
contains.

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# Color

**Yxy(76.9302, 0.2525, 0.3543)**

# Conversions

## Conversions Part 1

Format	Color
Hex	72F9E4
RGB	114, 249, 228
RGB Percent	45%, 98%, 89%
CMY	0.5527, 0.0235, 0.1058
CMYK	0.54, 0.00, 0.08, 0.02
HSL	171°, 92%, 71%
HSV	171°, 54%, 98%
XYZ	54.8261, 76.9302, 85.3767
YIQ	206.2410, -73.7190, -35.1510

# Conversions

## Conversions Part 2

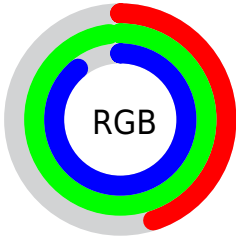
Format	Color
<a href="#">RYB</a>	<a href="#">114, 187, 249</a>
Decimal	<a href="#">7535076</a>
CIELab	<a href="#">90.29, -41.93, -1.17</a>
CIElCh	<a href="#">90, 41.944, 181.597</a>
Yxy	<a href="#">76.9302, 0.2525, 0.3543</a>
Android (android.graphics.Color)	<a href="#">4285725156 (0xFF72F9E4)</a>
YUV	<a href="#">206.2410, 10.7272, -80.8954</a>
Hunter-Lab	<a href="#">87.7099, -41.9147, 3.6841</a>

# Details

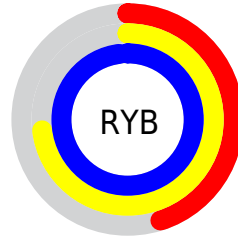
The Yxy color **76.9302, 0.2525, 0.3543** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **33.9354, 0.4486, 0.3077**, and the grayscale version is **61.8599, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.8540, 0.2676, 0.3289**, and **41.2300, 0.2389, 0.3596** is the 20% darker color. If you saturate the color by 10%, you get **75.2711, 0.2461, 0.3598**, and if you desaturate by 10%, it is **79.0545, 0.2607, 0.3490**.

# Distribution



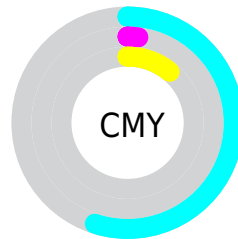
- Red (45%)
- Green (98%)
- Blue (89%)



- Red (45%)
- Yellow (73%)
- Blue (98%)



- Cyan (54%)
- Magenta (0%)
- Yellow (8%)
- Black (2%)




- Cyan (55%)
- Magenta (2%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 76.9302, 0.2525, 0.3543 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 76.9302, 0.2525, 0.3543 by changing the saturation by 10% instead.





 76.9302, 0.2525,  
0.3543


 76.9302, 0.2525,  
0.3543


484.5260, 0.2798,  
0.3429

 57.1956, 0.2464,  
0.3568


 129.0409, 0.2619,  
0.3504

 41.1623, 0.2389,  
0.3599


 162.1859, 0.2655,  
0.3489

 28.4459, 0.2296,  
0.3637


 200.5697, 0.2687,  
0.3476

 18.6621, 0.2176,  
0.3686

244.5768, 0.2715,  
0.3464

 11.4264, 0.2017,  
0.3750

294.5916, 0.2740,  
0.3454

 6.3544, 0.1797,  
0.3838


350.9985, 0.2761,


 3.0617, 0.1477,


0.3445


0.3962


414.1818, 0.2781,  
0.3436


 1.1641, 0.0228,  
0.4492


 0.0320, 0.0000,  
0.2156


 76.9302, 0.2525,  
0.3543


 76.9302, 0.2525,  
0.3543


 75.2711, 0.2461,  
0.3598

 79.0545, 0.2607,  
0.3490


 74.0305, 0.2417,  
0.3654

 81.6686, 0.2706,  
0.3439

 73.1672, 0.2392,  
0.3710

 84.8060, 0.2818,  
0.3391

 72.6277, 0.2386,  
0.3765

 88.4946, 0.2941,  
0.3347

 72.4177, 0.2388,  
0.3797

 92.7604, 0.3071,  
0.3306

 95.9897, 0.3152,  
0.3269

 96.2293, 0.3130,  
0.3233

# Harmonies

## Analogous

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



76.9302, 0.2944, 0.3985



76.9302, 0.2525, 0.3543



76.9302, 0.2275, 0.3054

# Triad

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



76.9302, 0.2525, 0.3543



76.9302, 0.2768, 0.2531



76.9302, 0.4099, 0.3795

# Complementary

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



76.9302, 0.2525, 0.3543



33.9354, 0.4486, 0.3077

# 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.



76.9302, 0.4060, 0.3410



76.9302, 0.2525, 0.3543



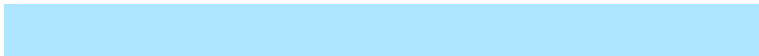
76.9302, 0.3255, 0.2715

# Square

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



76.9302, 0.2525, 0.3543



76.9302, 0.2408, 0.2514



76.9302, 0.3741, 0.3026

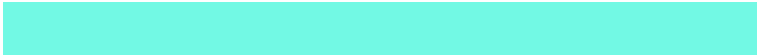


76.9302, 0.3861, 0.4094



# Rectangle

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



76.9302, 0.2525, 0.3543



76.9302, 0.2225, 0.2791



76.9302, 0.3741, 0.3026



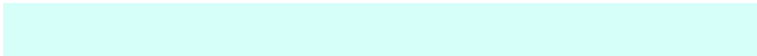
76.9302, 0.4119, 0.3671

# Sweetspot

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



76.9332, 0.2525, 0.3543



92.6646, 0.2918, 0.3354



74.2453, 0.3161, 0.4977



19.6566, 0.2892, 0.3363



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.



76.9332, 0.2525, 0.3543



79.3270, 0.2456, 0.3603



53.6132, 0.2319, 0.2724



19.5595, 0.3001, 0.3327



38.7826, 0.2386, 0.3788



3.6040, 0.2367, 0.3722



# Inverse Universe

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



33.9354, 0.4486, 0.3077



29.6844, 0.4939, 0.3059



46.1631, 0.4445, 0.3764



17.2692, 0.3269, 0.3253



10.8708, 0.6185, 0.3181

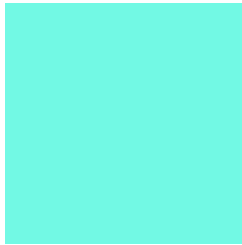


1.0193, 0.5896, 0.3022



# Previews

## White Background



This preview shows how the Yxy color 76.9302, 0.2525, 0.3543 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

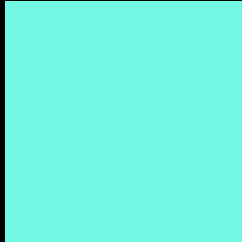
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 76.9302, 0.2525, 0.3543 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

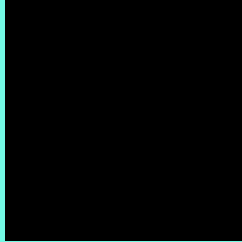
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

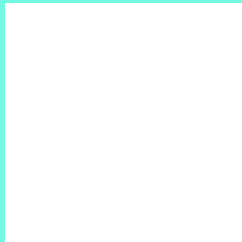
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 76.9302, 0.2525, 0.3543**

## **Background**



This preview shows how black text looks on a background with the Yxy color 76.9302, 0.2525, 0.3543.

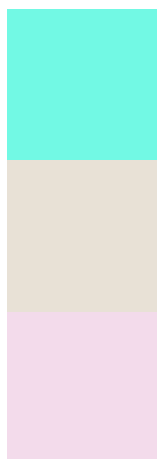


This preview shows how white text looks on a background with the Yxy color 76.9302, 0.2525, 0.3543.

# 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

76.9302, 0.2525, 0.3543

### Protanopia

75.8613, 0.3249, 0.3407

### Deuteranopia

75.7159, 0.3192, 0.3127



## Tritanopia

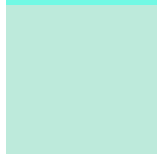
76.7083, 0.2567, 0.3119

# Trichromacy



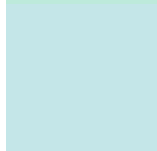
## Original Color

76.9302, 0.2525, 0.3543



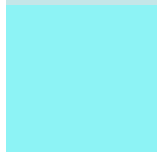
## Protanomaly

74.7789, 0.2924, 0.3460



## Deuteranomaly

74.1556, 0.2891, 0.3267



## Tritanomaly

76.3565, 0.2545, 0.3265

# Monochromacy



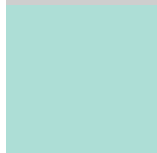
## Original Color

76.9302, 0.2525, 0.3543



## Achromatopsia

61.7207, 0.3127, 0.3290



## Achromatomaly

65.9818, 0.2847, 0.3385

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 76.9302, 0.2525, 0.3543 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, 249, 228)` looks like.

```
.text, #text, p{  
    color:rgb(114, 249, 228)  
}
```

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, 249, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 249, 228) }
```

## Border

The CSS property to change the border of an element to Yxy 76.9302, 0.2525, 0.3543 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, 249, 228) }
```

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

```
.border{ border-color:rgb(114, 249, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 249, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(114, 249, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(114, 249, 228); box-shadow:4px 4px 4px 4px rgb(114, 249, 228) }
```



# Background

The CSS property to change the background color of an element to Yxy 76.9302, 0.2525, 0.3543 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 249, 228) }
```

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

```
.background{ background-color: rgb(114,  
249, 228) }
```

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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