

# Converting Colors

$Yxy(69.8435, 0.2574, 0.3549)$

Have a look what the booklet for  
Yxy(69.8435, 0.2574, 0.3549)  
contains.

<b>Yxy(70.1519, 0.2574, 0.3552)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(70.1519, 0.2574, 0.3552)**

# Conversions

## Conversions Part 1

Format	Color
Hex	78EED9
RGB	120, 238, 217
RGB Percent	47%, 93%, 85%
CMY	0.5297, 0.0666, 0.1490
CMYK	0.50, 0.00, 0.09, 0.07
HSL	169°, 78%, 70%
HSV	169°, 50%, 93%
XYZ	50.8364, 70.1519, 76.5114
YIQ	200.3240, -63.5870, -31.5470

# Conversions

## Conversions Part 2

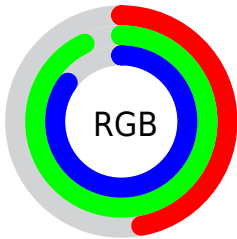
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	120, 185, 238
Decimal	7925465
CIE Lab	87.07, -38.41, -0.10
CIE LCh	87, 38.407, 180.148
Yxy	70.1519, 0.2574, 0.3552
Android (android.graphics.Color)	4286115545 (0xFF78EED9)
YUV	200.3240, 8.2213, -70.4441
Hunter-Lab	83.7567, -38.2331, 4.4686

# Details

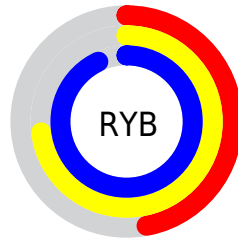
The Yxy color **70.1519, 0.2574, 0.3552** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **33.5136, 0.4273, 0.3062**, and the grayscale version is **57.9360, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.3237, 0.2696, 0.3289**, and **36.5262, 0.2444, 0.3610** is the 20% darker color. If you saturate the color by 10%, you get **68.4431, 0.2503, 0.3615**, and if you desaturate by 10%, it is **72.2947, 0.2662, 0.3492**.

# Distribution



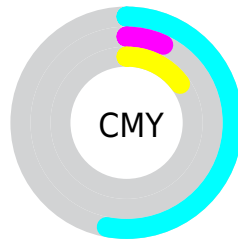
- Red (47%)
- Green (93%)
- Blue (85%)



- Red (47%)
- Yellow (73%)
- Blue (93%)



- Cyan (50%)
- Magenta (0%)
- Yellow (9%)
- Black (7%)




- Cyan (53%)
- Magenta (7%)
- Yellow (15%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.1519, 0.2574, 0.3552 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 70.1519, 0.2574, 0.3552 by changing the saturation by 10% instead.



 70.1519, 0.2574,  
0.3552


 70.1519, 0.2574,  
0.3552


461.0832, 0.2830,  
0.3431


 51.6504, 0.2516,  
0.3580


 119.4253, 0.2663,  
0.3510

 36.7265, 0.2444,  
0.3614


 150.9661, 0.2697,  
0.3494

 24.9958, 0.2353,  
0.3657


 187.6220, 0.2727,  
0.3480

 16.0739, 0.2234,  
0.3712

229.7775, 0.2753,  
0.3467

 9.5765, 0.2074,  
0.3788

277.8169, 0.2776,  
0.3457

 5.1191, 0.1847,  
0.3895

332.1248, 0.2796,

 2.3173, 0.1503,

0.3447

393.0854, 0.2814,  
0.3439

0.4057

0.7828, 0.0000,  
0.4767

0.0000, 0.0000,  
0.0000

70.1519, 0.2574,  
0.3552

70.1519, 0.2574,  
0.3552

68.4431, 0.2503,  
0.3615

72.2947, 0.2662,  
0.3492

67.1279, 0.2451,  
0.3679


74.8918, 0.2765,  
0.3435

66.1726, 0.2419,  
0.3743

77.9723, 0.2879,  
0.3382

65.5339, 0.2406,  
0.3808


81.5603, 0.3003,  
0.3333

 65.1414, 0.2409,  
0.3872

 85.6783, 0.3132,  
0.3288

 65.1282, 0.2410,  
0.3874

 88.8527, 0.3213,  
0.3247

 89.1107, 0.3186,  
0.3207

 89.3745, 0.3160,  
0.3166

 89.6373, 0.3135,  
0.3127

# Harmonies

## Analogous

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



70.1519, 0.2978, 0.3959



70.1519, 0.2574, 0.3552



70.1519, 0.2326, 0.3090

# Triad

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



70.1519, 0.2574, 0.3552



70.1519, 0.2768, 0.2564



70.1519, 0.4051, 0.3756

# Complementary

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



70.1519, 0.2574, 0.3552



33.5136, 0.4273, 0.3062

# 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.



70.1519, 0.3998, 0.3388



70.1519, 0.2574, 0.3552



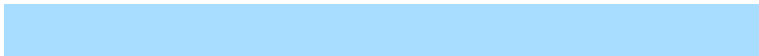
70.1519, 0.3226, 0.2732

# Square

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



70.1519, 0.2574, 0.3552



70.1519, 0.2433, 0.2558



70.1519, 0.3687, 0.3025



70.1519, 0.3839, 0.4042



# Rectangle

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



70.1519, 0.2574, 0.3552



70.1519, 0.2271, 0.2835



70.1519, 0.3687, 0.3025



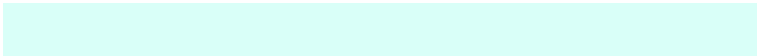
70.1519, 0.4064, 0.3637

# Sweetspot

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



70.1547, 0.2574, 0.3552



93.0229, 0.2935, 0.3359



68.2241, 0.3177, 0.4811



19.7249, 0.2909, 0.3369



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.



70.1547, 0.2574, 0.3552



79.9343, 0.2499, 0.3618



51.7560, 0.2386, 0.2808



17.8779, 0.3005, 0.3332



36.3475, 0.2407, 0.3864



3.0363, 0.2383, 0.3780



# Inverse Universe

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



33.5136, 0.4273, 0.3062



32.3534, 0.4680, 0.3030



43.7543, 0.4301, 0.3707



15.8047, 0.3265, 0.3248



10.2489, 0.6130, 0.3150

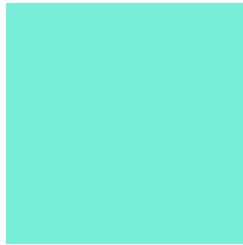


0.8655, 0.5789, 0.2963



# Previews

## White Background



This preview shows how the Yxy color 70.1519, 0.2574, 0.3552 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

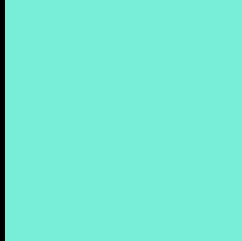
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 70.1519, 0.2574, 0.3552 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 70.1519, 0.2574, 0.3552**

## **Background**



This preview shows how black text looks on a background with the Yxy color 70.1519, 0.2574, 0.3552.

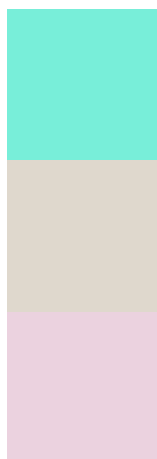


This preview shows how white text looks on a background with the Yxy color 70.1519, 0.2574, 0.3552.

# 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

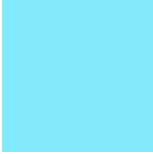
70.1519, 0.2574, 0.3552

### Protanopia

69.2075, 0.3254, 0.3412

### Deuteranopia

69.0831, 0.3223, 0.3153



## **Tritanopia**

70.1314, 0.2450, 0.3064

# Trichromacy



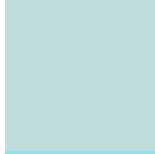
## Original Color

70.1519, 0.2574, 0.3552



## Protanomaly

68.3539, 0.2962, 0.3466



## Deuteranomaly

67.7443, 0.2934, 0.3278



## Tritanomaly

70.1607, 0.2495, 0.3240

# Monochromacy



## Original Color

70.1519, 0.2574, 0.3552



## Achromatopsia

57.7580, 0.3127, 0.3290



## Achromatomaly

61.2073, 0.2877, 0.3388

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.1519, 0.2574, 0.3552 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(120, 238, 217)` looks like.

```
.text, #text, p{  
    color:rgb(120, 238, 217)  
}
```

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(120, 238, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 238, 217) }
```

## Border

The CSS property to change the border of an element to Yxy 70.1519, 0.2574, 0.3552 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(120, 238, 217) }
```

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

```
.border{ border-color:rgb(120, 238, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 238, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 238, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 238, 217);  
box-shadow:4px 4px 4px 4px rgb(120, 238,  
217) }
```



# Background

The CSS property to change the background color of an element to Yxy 70.1519, 0.2574, 0.3552 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 238, 217) }
```

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

```
.background{ background-color: rgb(120,  
238, 217) }
```

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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