

# Converting Colors

$Yxy(70.0745, 0.2284, 0.3082)$

Have a look what the booklet for  
Yxy(70.0745, 0.2284, 0.3082)  
contains.

<b>Yxy(70.0745, 0.2284, 0.3082)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(70.0745, 0.2284, 0.3082)**

# Conversions

## Conversions Part 1

Format	Color
Hex	50EEFF
RGB	80, 238, 255
RGB Percent	31%, 93%, 100%
CMY	0.6860, 0.0667, 0.0002
CMYK	0.69, 0.07, 0.00, 0.00
HSL	186°, 100%, 66%
HSV	186°, 69%, 100%
XYZ	51.9306, 70.0745, 105.3619
YIQ	192.6960, -99.6250, -28.2090

# Conversions

## Conversions Part 2

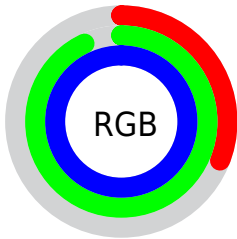
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	80, 163, 255
Decimal	5304063
CIE <sub>Lab</sub>	87.03, -35.35, -20.18
CIE <sub>LCh</sub>	87, 40.705, 209.715
Yxy	70.0745, 0.2284, 0.3082
Android (android.graphics.Color)	4283494143 (0xFF50EEFF)
YUV	192.6960, 30.7159, -98.8344
Hunter-Lab	83.7105, -35.7592, -16.0277

# Details

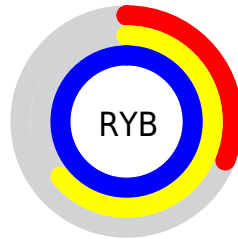
The Yxy color **70.0745, 0.2284, 0.3082** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **30.3851, 0.5316, 0.3440**, and the grayscale version is **53.0106, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.2240, 0.2562, 0.3288**, and **37.5331, 0.2176, 0.3034** is the 20% darker color. If you saturate the color by 10%, you get **67.7394, 0.2225, 0.3048**, and if you desaturate by 10%, it is **72.8554, 0.2362, 0.3116**.

# Distribution



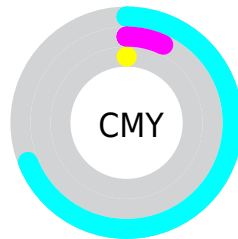
- Red (31%)
- Green (93%)
- Blue (100%)



- Red (31%)
- Yellow (64%)
- Blue (100%)



- Cyan (69%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)




- Cyan (69%)
- Magenta (7%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.0745, 0.2284, 0.3082 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 70.0745, 0.2284, 0.3082 by changing the saturation by 10% instead.




 70.0745, 0.2284,  
0.3082

 70.0745, 0.2284,  
0.3082


460.8115, 0.2663,  
0.3191

 51.5873, 0.2201,  
0.3054


 119.3150, 0.2413,  
0.3122

 36.6762, 0.2100,  
0.3019


 150.8370, 0.2464,  
0.3137

 24.9569, 0.1976,  
0.2971


 187.4728, 0.2508,  
0.3150

 16.0449, 0.1818,  
0.2907

 229.6067, 0.2547,  
0.3161

 9.5560, 0.1615,  
0.2813

277.6232, 0.2581,  
0.3170

 5.1056, 0.1346,  
0.2671

331.9065, 0.2611,

 2.3093, 0.0983,

0.3178

0.2434

392.8412, 0.2638,  
0.3185

0.7786, 0.0000,  
0.2103

0.0000, 0.0000,  
0.0000

70.0745, 0.2284,  
0.3082

70.0745, 0.2284,  
0.3082

67.7394, 0.2225,  
0.3048

72.8554, 0.2362,  
0.3116

65.7918, 0.2186,  
0.3014

76.1169, 0.2460,  
0.3149

64.1624, 0.2163,  
0.2981

79.8993, 0.2574,  
0.3182

63.9461, 0.2160,  
0.2977

84.2361, 0.2703,  
0.3212

■ 89.1581, 0.2844,  
0.3242

■ 94.6938, 0.2994,  
0.3269

99.9975, 0.3127,  
0.3290

# Harmonies

## Analogous

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



70.0745, 0.2546, 0.3575



70.0745, 0.2284, 0.3082



70.0745, 0.2231, 0.2706

# Triad

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



70.0745, 0.2284, 0.3082



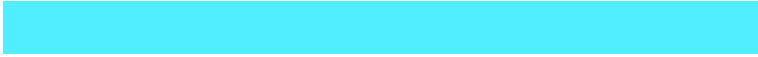
70.0745, 0.3223, 0.2698



70.0745, 0.3884, 0.4081

# Complementary

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



70.0745, 0.2284, 0.3082



30.3851, 0.5316, 0.3440

# 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.



70.0745, 0.4107, 0.3773



70.0745, 0.2284, 0.3082



70.0745, 0.3714, 0.3004

# Square

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



70.0745, 0.2284, 0.3082



70.0745, 0.2740, 0.2523



70.0745, 0.4048, 0.3385



70.0745, 0.3464, 0.4191

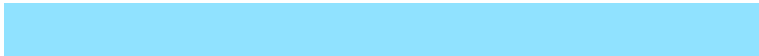


# Rectangle

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



70.0745, 0.2284, 0.3082



70.0745, 0.2314, 0.2559



70.0745, 0.4048, 0.3385



70.0745, 0.3985, 0.3994

# Sweetspot

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



70.0771, 0.2284, 0.3082



87.9522, 0.2809, 0.3235



74.0226, 0.2979, 0.5364



18.5301, 0.2770, 0.3227



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

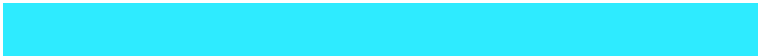


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.0771, 0.2284, 0.3082



67.0595, 0.2210, 0.3037



31.6870, 0.2004, 0.1939



20.1626, 0.2980, 0.3266



33.5481, 0.2162, 0.2982



3.3502, 0.2172, 0.3020



# Inverse Universe

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



33.1720, 0.3366, 0.1876



29.1886, 0.3416, 0.1744



55.3236, 0.4575, 0.4259



18.2682, 0.3153, 0.3078



14.1147, 0.3470, 0.1685

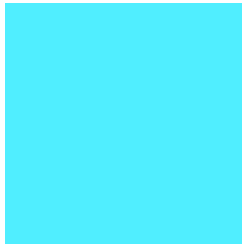


1.3828, 0.3436, 0.1667



# Previews

## White Background



This preview shows how the Yxy color 70.0745, 0.2284, 0.3082 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

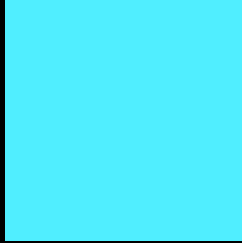
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 70.0745, 0.2284, 0.3082 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

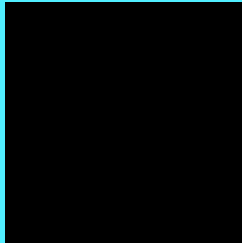
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 70.0745, 0.2284, 0.3082**

## **Background**



This preview shows how black text looks on a background with the Yxy color 70.0745, 0.2284, 0.3082.

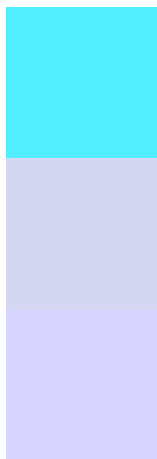


This preview shows how white text looks on a background with the Yxy color 70.0745, 0.2284, 0.3082.

# 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

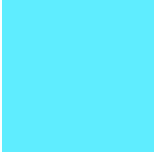
70.0745, 0.2284, 0.3082

### Protanopia

69.0383, 0.2950, 0.3019

### Deuteranopia

68.7540, 0.2870, 0.2834



## **Tritanopia**

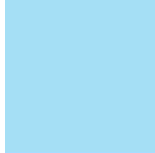
70.2213, 0.2320, 0.3071

# Trichromacy



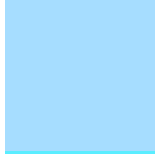
## Original Color

70.0745, 0.2284, 0.3082



## Protanomaly

67.3673, 0.2629, 0.3034



## Deuteranomaly

67.0399, 0.2581, 0.2901



## Tritanomaly

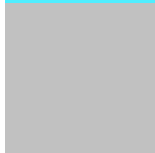
69.9620, 0.2306, 0.3070

# Monochromacy



## Original Color

70.0745, 0.2284, 0.3082



## Achromatopsia

53.3276, 0.3127, 0.3290



## Achromatomaly

57.2342, 0.2692, 0.3200

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.0745, 0.2284, 0.3082 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(80, 238, 255)` looks like.

```
.text, #text, p{  
    color:rgb(80, 238, 255)  
}
```

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(80, 238, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 238, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 70.0745, 0.2284, 0.3082 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(80, 238, 255) }
```

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

```
.border{ border-color:rgb(80, 238, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 238, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 238, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 238, 255);  
box-shadow:4px 4px 4px 4px rgb(80, 238,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 70.0745, 0.2284, 0.3082 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 238, 255) }
```

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

```
.background{ background-color: rgb(80, 238,  
255) }
```

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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