

# Converting Colors

Yxy(66.9319, 0.2747, 0.3143)

Have a look what the booklet for  
Yxy(66.9319, 0.2747, 0.3143)  
contains.

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# **Color**

**Yxy(66.7674, 0.2744, 0.3137)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AFDDEA
RGB	175, 221, 234
RGB Percent	69%, 87%, 92%
CMY	0.3134, 0.1334, 0.0823
CMYK	0.25, 0.06, 0.00, 0.08
HSL	193°, 58%, 80%
HSV	193°, 25%, 92%
XYZ	58.4029, 66.7674, 87.6681
YIQ	208.7280, -31.5890, -5.7090

# Conversions

## Conversions Part 2

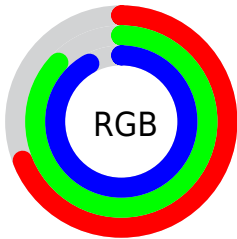
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	175, 201, 234
Decimal	11525610
CIE Lab	85.39, -11.93, -11.26
CIE LCh	85, 16.405, 223.334
Yxy	66.7674, 0.2744, 0.3137
Android (android.graphics.Color)	4289715690 (0xFFAFDDEA)
YUV	208.7280, 12.4591, -29.5795
Hunter-Lab	81.7113, -15.4126, -6.4144

# Details

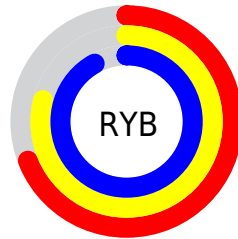
The Yxy color **66.7674, 0.2744, 0.3137** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **56.6136, 0.3625, 0.3438**, and the grayscale version is **63.5186, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.8958, 0.2987, 0.3290**, and **34.5517, 0.2655, 0.3103** is the 20% darker color. If you saturate the color by 10%, you get **61.5994, 0.2602, 0.3067**, and if you desaturate by 10%, it is **72.4944, 0.2894, 0.3202**.

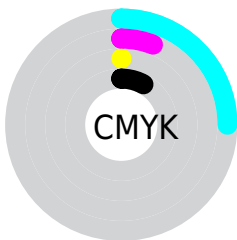
# Distribution



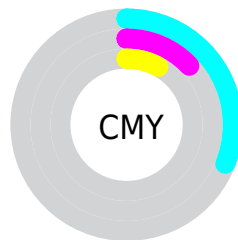
- Red (69%)
- Green (87%)
- Blue (92%)



- Red (69%)
- Yellow (79%)
- Blue (92%)



- Cyan (25%)
- Magenta (6%)
- Yellow (0%)
- Black (8%)



- Cyan (31%)
- Magenta (13%)
- Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 66.7674, 0.2744, 0.3137 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 66.7674, 0.2744, 0.3137 by changing the saturation by 10% instead.



■ 66.7674, 0.2744,  
0.3137

■ 66.7674, 0.2744,  
0.3137

449.1164, 0.2922,  
0.3211

■ 48.8956, 0.2703,  
0.3119

■ 114.5871, 0.2806,  
0.3163

■ 34.5367, 0.2653,  
0.3097

145.3037, 0.2830,  
0.3174

■ 23.3062, 0.2589,  
0.3068

181.0708, 0.2850,  
0.3182

■ 14.8198, 0.2506,  
0.3028

222.2727, 0.2868,  
0.3190

■ 8.6930, 0.2393,  
0.2973

269.2938, 0.2884,  
0.3196

■ 4.5415, 0.2231,  
0.2889

322.5186, 0.2898,

■ 1.9808, 0.1979,

0.3202

0.2747

382.3313, 0.2911,  
0.3207

0.5963, 0.1153,  
0.2496

0.0000, 0.0000,  
0.0000

66.7674, 0.2744,  
0.3137

66.7674, 0.2744,  
0.3137

61.5994, 0.2602,  
0.3067

72.4944, 0.2894,  
0.3202

56.9574, 0.2469,  
0.2992

78.7956, 0.3047,  
0.3261

52.8170, 0.2351,  
0.2914

85.6953, 0.3202,  
0.3315

49.1483, 0.2249,  
0.2834

90.5240, 0.3262,  
0.3365

■ 45.9176, 0.2166,  
0.2752

■ 93.6446, 0.3257,  
0.3415

■ 43.0859, 0.2102,  
0.2669

■ 96.8531, 0.3253,  
0.3465

■ 40.6054, 0.2058,  
0.2588

■ 98.7219, 0.3250,  
0.3493

■ 39.5006, 0.2042,  
0.2549

# Harmonies

## Analogous

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



66.7674, 0.2823, 0.3321



66.7674, 0.2744, 0.3137



66.7674, 0.2763, 0.3003

# Triad

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



66.7674, 0.2744, 0.3137



66.7674, 0.3266, 0.3090



66.7674, 0.3376, 0.3646

# Complementary

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



66.7674, 0.2744, 0.3137



56.6136, 0.3625, 0.3438

# 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.



66.7674, 0.3503, 0.3569



66.7674, 0.2744, 0.3137



66.7674, 0.3439, 0.3249

# Square

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



66.7674, 0.2744, 0.3137



66.7674, 0.3059, 0.2982



66.7674, 0.3526, 0.3422



66.7674, 0.3185, 0.3624



# Rectangle

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



66.7674, 0.2744, 0.3137



66.7674, 0.2830, 0.2958



66.7674, 0.3526, 0.3422



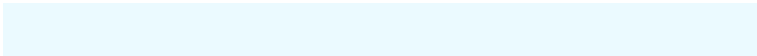
66.7674, 0.3428, 0.3630

# Sweetspot

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



66.7701, 0.2744, 0.3137



93.4884, 0.3003, 0.3245



71.6074, 0.3018, 0.3847



19.7595, 0.2980, 0.3236



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

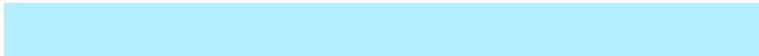


# Same Dimension

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



66.7701, 0.2744, 0.3137



77.9375, 0.2672, 0.3103



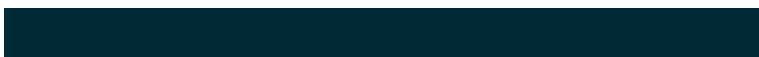
52.6694, 0.2712, 0.2782



16.5236, 0.2981, 0.3237



22.3869, 0.2045, 0.2562



1.8971, 0.2076, 0.2674



# Inverse Universe

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



53.4083, 0.3261, 0.2794



59.4776, 0.3293, 0.2694



70.3878, 0.3548, 0.3751



15.2534, 0.3172, 0.3108



11.7528, 0.3861, 0.1901

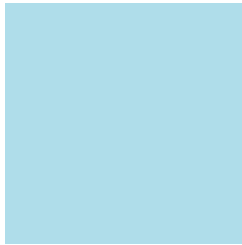


0.9369, 0.3752, 0.1841



# Previews

## White Background



This preview shows how the Yxy color 66.7674, 0.2744, 0.3137 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

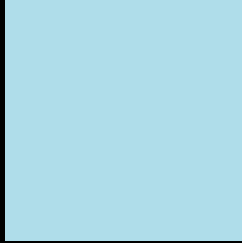
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 66.7674, 0.2744, 0.3137 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

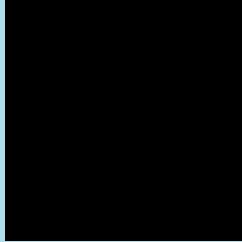
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 66.7674, 0.2744, 0.3137**

## **Background**



This preview shows how black text looks on a background with the Yxy color 66.7674, 0.2744, 0.3137.

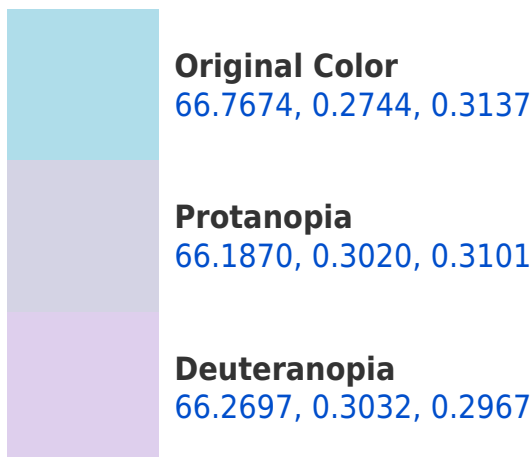


This preview shows how white text looks on a background with the Yxy color 66.7674, 0.2744, 0.3137.

# 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

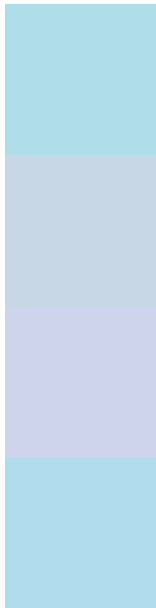




## Tritanopia

66.5896, 0.2726, 0.3081

# Trichromacy



**Original Color**

66.7674, 0.2744, 0.3137

**Protanomaly**

66.4562, 0.2917, 0.3120

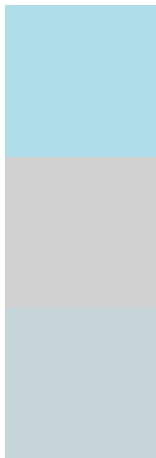
**Deuteranomaly**

66.1222, 0.2920, 0.3023

**Tritanomaly**

66.5309, 0.2732, 0.3092

# Monochromacy



**Original Color**

66.7674, 0.2744, 0.3137

**Achromatopsia**

63.7597, 0.3127, 0.3290

**Achromatomaly**

64.5208, 0.2979, 0.3232

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 66.7674, 0.2744, 0.3137 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(175, 221, 234)` looks like.

```
.text, #text, p{  
    color:rgb(175, 221, 234)  
}
```

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(175, 221, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 221, 234) }
```

## Border

The CSS property to change the border of an element to Yxy 66.7674, 0.2744, 0.3137 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(175, 221, 234) }
```

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

```
.border{ border-color:rgb(175, 221, 234) }
```

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

Here you see how a box with a 4 pixel rgb(175, 221, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 221, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 221, 234);  
box-shadow:4px 4px 4px 4px rgb(175, 221,  
234) }
```



# Background

The CSS property to change the background color of an element to Yxy 66.7674, 0.2744, 0.3137 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 221, 234) }
```

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

```
.background{ background-color: rgb(175,  
221, 234) }
```

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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