

# Converting Colors

$Yxy(73.1756, 0.2697, 0.3254)$

Have a look what the booklet for  
Yxy(73.1756, 0.2697, 0.3254)  
contains.

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# Color

**Yxy(73.1756, 0.2697, 0.3254)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A7EAED
RGB	167, 234, 237
RGB Percent	65%, 92%, 93%
CMY	0.3450, 0.0824, 0.0706
CMYK	0.30, 0.01, 0.00, 0.07
HSL	183°, 66%, 79%
HSV	183°, 30%, 93%
XYZ	60.6498, 73.1756, 91.0535
YIQ	214.3090, -40.8950, -13.2710

# Conversions

## Conversions Part 2

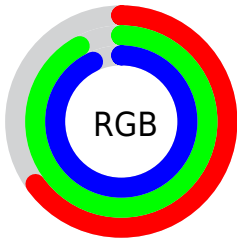
<b>Format</b>	<b>Color</b>
<b>RYB</b>	167, 201, 237
Decimal	11004653
CIELab	88.53, -20.11, -8.20
CIELCh	89, 21.713, 202.188
Yxy	73.1756, 0.2697, 0.3254
Android (android.graphics.Color)	4289194733 (0xFFA7EAED)
YUV	214.3090, 11.1867, -41.4900
Hunter-Lab	85.5427, -23.1432, -3.2296

# Details

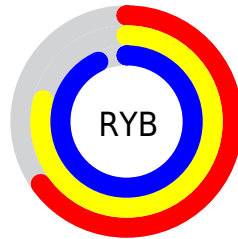
The Yxy color **73.1756, 0.2697, 0.3254** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **49.5601, 0.3777, 0.3326**, and the grayscale version is **67.4134, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.5873, 0.2940, 0.3289**, and **38.6217, 0.2598, 0.3243** is the 20% darker color. If you saturate the color by 10%, you get **70.2503, 0.2574, 0.3240**, and if you desaturate by 10%, it is **76.5832, 0.2833, 0.3267**.

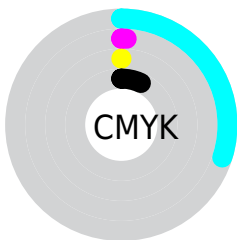
# Distribution



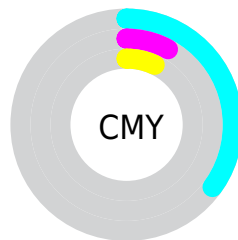
- Red (65%)
- Green (92%)
- Blue (93%)



- Red (65%)
- Yellow (79%)
- Blue (93%)



- Cyan (30%)
- Magenta (1%)
- Yellow (0%)
- Black (7%)




- Cyan (35%)
- Magenta (8%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.1756, 0.2697, 0.3254 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 73.1756, 0.2697, 0.3254 by changing the saturation by 10% instead.



 73.1756, 0.2697,  
0.3254


 73.1756, 0.2697,  
0.3254


471.6232, 0.2893,  
0.3274

 54.1196, 0.2653,  
0.3249


 123.7265, 0.2765,  
0.3262

 38.6973, 0.2599,  
0.3242


 155.9901, 0.2791,  
0.3264

 26.5243, 0.2531,  
0.3232


193.4250, 0.2814,  
0.3267

 17.2163, 0.2443,  
0.3219

236.4156, 0.2834,  
0.3269

 10.3888, 0.2325,  
0.3199

285.3464, 0.2851,  
0.3270

 5.6575, 0.2159,  
0.3166

340.6016, 0.2867,

 2.6380, 0.1911,

0.3272

402.5658, 0.2881,  
0.3273

0.3107

0.9458, 0.1310,  
0.3046

0.0000, 0.0000,  
0.0000

73.1756, 0.2697,  
0.3254

73.1756, 0.2697,  
0.3254

70.2503, 0.2574,  
0.3240

76.5832, 0.2833,  
0.3267

67.7725, 0.2467,  
0.3226

80.4881, 0.2980,  
0.3279

65.7169, 0.2378,  
0.3212

84.9156, 0.3135,  
0.3291

64.0519, 0.2308,  
0.3197

88.5679, 0.3247,  
0.3301

62.7414, 0.2258,  
0.3182

89.1633, 0.3246,  
0.3311

61.7427, 0.2227,  
0.3168

89.7620, 0.3245,  
0.3321

60.9868, 0.2210,  
0.3154

90.3641, 0.3244,  
0.3331

60.9532, 0.2209,  
0.3153

90.9695, 0.3243,  
0.3340

91.5784, 0.3242,  
0.3350

# Harmonies

## Analogous

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



73.1756, 0.2873, 0.3500



73.1756, 0.2697, 0.3254



73.1756, 0.2633, 0.3031

# Triad

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



73.1756, 0.2697, 0.3254



73.1756, 0.3116, 0.2931



73.1756, 0.3573, 0.3686

# Complementary

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



73.1756, 0.2697, 0.3254



49.5601, 0.3777, 0.3326

# 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.



73.1756, 0.3647, 0.3516



73.1756, 0.2697, 0.3254



73.1756, 0.3378, 0.3090

# Square

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



73.1756, 0.2697, 0.3254



73.1756, 0.2868, 0.2858



73.1756, 0.3575, 0.3300



73.1756, 0.3378, 0.3755

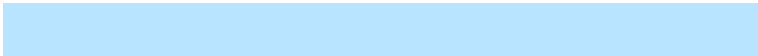


# Rectangle

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



73.1756, 0.2697, 0.3254



73.1756, 0.2660, 0.2926



73.1756, 0.3575, 0.3300



73.1756, 0.3613, 0.3638

# Sweetspot

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



73.1785, 0.2697, 0.3254



95.2762, 0.2988, 0.3280



71.6697, 0.3073, 0.4123



20.2398, 0.2966, 0.3278



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

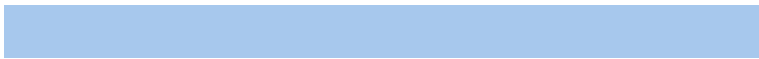
The Same Dimension uses a secret algorithm to generate beautiful new colors.



73.1785, 0.2697, 0.3254



84.3959, 0.2626, 0.3246



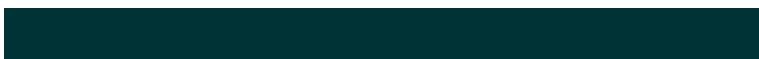
55.4963, 0.2651, 0.2840



17.0043, 0.2981, 0.3279



33.3272, 0.2210, 0.3156



2.6515, 0.2215, 0.3175



# Inverse Universe

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



51.5939, 0.3186, 0.2584



55.4169, 0.3198, 0.2452



64.1495, 0.3668, 0.3701



15.3019, 0.3145, 0.3068



12.8572, 0.3320, 0.1602

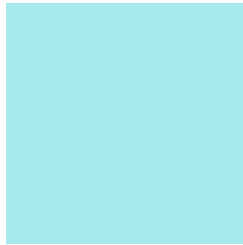


1.0131, 0.3303, 0.1593



# Previews

## White Background



This preview shows how the Yxy color 73.1756, 0.2697, 0.3254 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

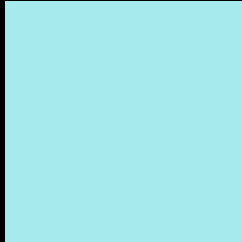
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 73.1756, 0.2697, 0.3254 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

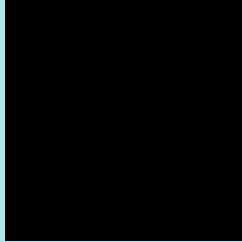
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 73.1756, 0.2697, 0.3254**

## **Background**



This preview shows how black text looks on a background with the Yxy color 73.1756, 0.2697, 0.3254.

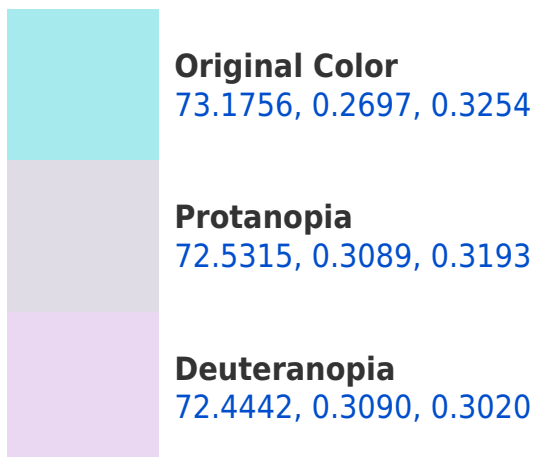


This preview shows how white text looks on a background with the Yxy color 73.1756, 0.2697, 0.3254.

# 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

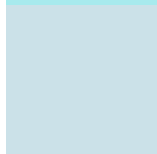
73.2243, 0.2639, 0.3075

# Trichromacy



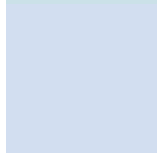
## Original Color

73.1756, 0.2697, 0.3254



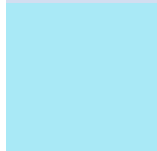
## Protanomaly

72.3731, 0.2934, 0.3212



## Deuteranomaly

72.2355, 0.2931, 0.3094



## Tritanomaly

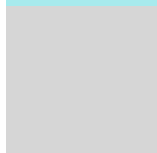
73.3667, 0.2660, 0.3141

# Monochromacy



## Original Color

73.1756, 0.2697, 0.3254



## Achromatopsia

67.2443, 0.3127, 0.3290



## Achromatomaly

68.8571, 0.2955, 0.3278

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.1756, 0.2697, 0.3254 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(167, 234, 237)` looks like.

```
.text, #text, p{  
    color:rgb(167, 234, 237)  
}
```

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(167, 234, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 234, 237) }
```

## Border

The CSS property to change the border of an element to Yxy 73.1756, 0.2697, 0.3254 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(167, 234, 237) }
```

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

```
.border{ border-color:rgb(167, 234, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 234, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 234, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 234, 237);  
box-shadow:4px 4px 4px 4px rgb(167, 234,  
237) }
```



# Background

The CSS property to change the background color of an element to  $\text{Yxy } 73.1756, 0.2697, 0.3254$  is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 234, 237) }
```

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

```
.background{ background-color: rgb(167,  
234, 237) }
```

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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