

# Converting Colors

$Yxy(72.7852, 0.2661, 0.3095)$

Have a look what the booklet for  
Yxy(72.7852, 0.2661, 0.3095)  
contains.

<b>Yxy(72.6998, 0.2663, 0.3097)</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(72.6998, 0.2663, 0.3097)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ACE7F8
RGB	172, 231, 248
RGB Percent	67%, 91%, 97%
CMY	0.3259, 0.0940, 0.0275
CMYK	0.31, 0.07, 0.00, 0.03
HSL	193°, 84%, 82%
HSV	193°, 31%, 97%
XYZ	62.5120, 72.6998, 99.5309
YIQ	215.2970, -40.6210, -7.2210

# Conversions

## Conversions Part 2

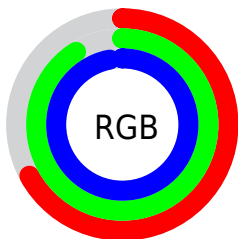
Format	Color
<a href="#">RYB</a>	<a href="#">172, 205, 248</a>
Decimal	<a href="#">11331576</a>
CIELab	<a href="#">88.30, -14.77, -14.27</a>
CIELCh	<a href="#">88, 20.532, 224.015</a>
Yxy	<a href="#">72.6998, 0.2663, 0.3097</a>
Android (android.graphics.Color)	<a href="#">4289521656 (0xFFACE7F8)</a>
YUV	<a href="#">215.2970, 16.1226, -37.9715</a>
Hunter-Lab	<a href="#">85.2642, -18.3439, -9.5257</a>

# Details

The Yxy color **72.6998, 0.2663, 0.3097** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **59.2570, 0.3770, 0.3474**, and the grayscale version is **68.0630, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.3980, 0.2970, 0.3290**, and **38.2476, 0.2554, 0.3036** is the 20% darker color. If you saturate the color by 10%, you get **67.1109, 0.2525, 0.3024**, and if you desaturate by 10%, it is **78.9156, 0.2810, 0.3166**.

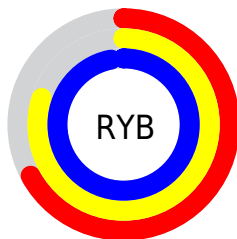
# Distribution



Red (67%)

Green (91%)

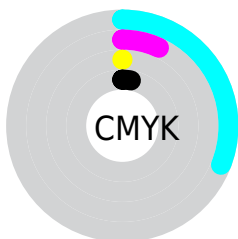
Blue (97%)



Red (67%)

Yellow (80%)

Blue (97%)

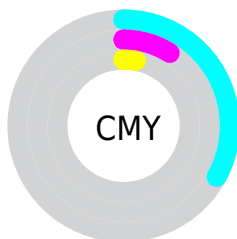


Cyan (31%)

Magenta (7%)

Yellow (0%)

Black (3%)



Cyan (33%)

Magenta (9%)


Yellow (3%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.6998, 0.2663, 0.3097 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 72.6998, 0.2663, 0.3097 by changing the saturation by 10% instead.




 72.6998, 0.2663,  
0.3097

 72.6998, 0.2663,  
0.3097


469.9737, 0.2874,  
0.3190

 53.7305, 0.2616,  
0.3075


 123.0509, 0.2736,  
0.3130

 38.3863, 0.2558,  
0.3048


155.2016, 0.2764,  
0.3142

 26.2826, 0.2485,  
0.3012


192.5149, 0.2789,  
0.3153

 17.0352, 0.2392,  
0.2966

235.3751, 0.2810,  
0.3162

 10.2596, 0.2267,  
0.2900

284.1667, 0.2829,  
0.3171

 5.5714, 0.2093,  
0.2804

339.2741, 0.2846,

 2.5863, 0.1836,

0.3178

0.2649

401.0816, 0.2861,  
0.3184

0.9198, 0.1335,  
0.2392

0.0000, 0.0000,  
0.0000

72.6998, 0.2663,  
0.3097

72.6998, 0.2663,  
0.3097

67.1109, 0.2525,  
0.3024

78.9156, 0.2810,  
0.3166

62.1100, 0.2400,  
0.2946

85.7773, 0.2962,  
0.3229

57.6672, 0.2290,  
0.2865

93.3138, 0.3117,  
0.3286

53.7457, 0.2198,  
0.2783

98.3701, 0.3169,  
0.3339

■ 50.3036, 0.2126,  
0.2700

■ 99.5564, 0.3168,  
0.3357

■ 47.2907, 0.2073,  
0.2617

■ 44.7960, 0.2039,  
0.2541

# Harmonies

## Analogous

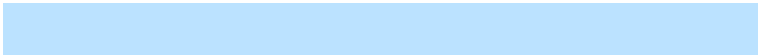
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.6998, 0.2755, 0.3321



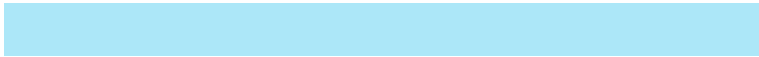
72.6998, 0.2663, 0.3097



72.6998, 0.2689, 0.2938

# Triad

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



72.6998, 0.2663, 0.3097



72.6998, 0.3300, 0.3052



72.6998, 0.3424, 0.3725

# Complementary

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



72.6998, 0.2663, 0.3097



59.2570, 0.3770, 0.3474

# 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.



72.6998, 0.3582, 0.3630



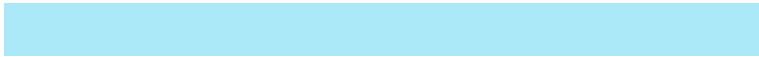
72.6998, 0.2663, 0.3097



72.6998, 0.3511, 0.3243

# Square

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



72.6998, 0.2663, 0.3097



72.6998, 0.3049, 0.2921



72.6998, 0.3615, 0.3452



72.6998, 0.3190, 0.3697



# Rectangle

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



72.6998, 0.2663, 0.3097



72.6998, 0.2770, 0.2886



72.6998, 0.3615, 0.3452



72.6998, 0.3488, 0.3705

# Sweetspot

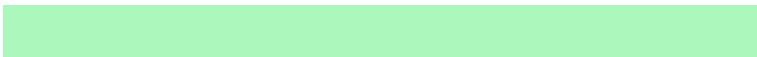
The Sweet Spot groups the original color and five complimentary colors.



72.7027, 0.2663, 0.3097



92.6847, 0.2988, 0.3239



79.5307, 0.2996, 0.3993



19.5971, 0.2965, 0.3230



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

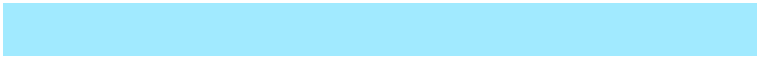


# Same Dimension

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



72.7027, 0.2663, 0.3097



73.5930, 0.2574, 0.3051



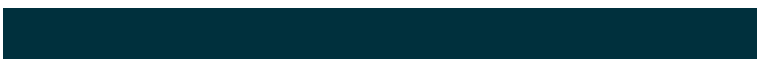
53.8741, 0.2611, 0.2649



18.9139, 0.2980, 0.3236



24.4208, 0.2043, 0.2554



2.4174, 0.2070, 0.2652



# Inverse Universe

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



55.1882, 0.3298, 0.2682



52.5667, 0.3344, 0.2556



77.5519, 0.3653, 0.3857



17.4545, 0.3172, 0.3108



12.8762, 0.3869, 0.1905

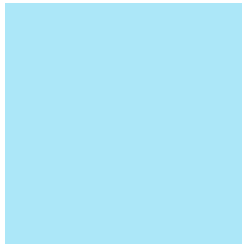


1.2083, 0.3774, 0.1853



# Previews

## White Background



This preview shows how the Yxy color 72.6998, 0.2663, 0.3097 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

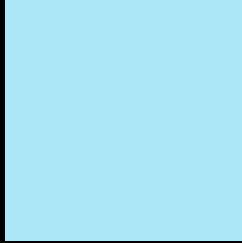
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 72.6998, 0.2663, 0.3097 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

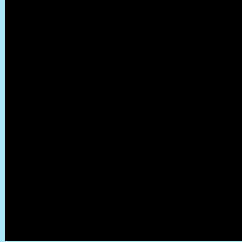
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 72.6998, 0.2663, 0.3097**

## **Background**



This preview shows how black text looks on a background with the Yxy color 72.6998, 0.2663, 0.3097.

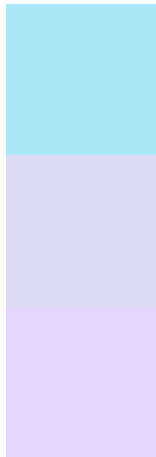


This preview shows how white text looks on a background with the Yxy color 72.6998, 0.2663, 0.3097.

# 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

72.6998, 0.2663, 0.3097

### Protanopia

72.0740, 0.2985, 0.3055

### Deuteranopia

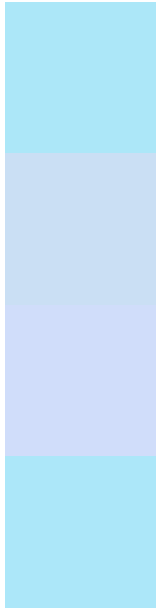
72.0599, 0.2983, 0.2917



## Tritanopia

72.7620, 0.2658, 0.3086

# Trichromacy



**Original Color**

72.6998, 0.2663, 0.3097

**Protanomaly**

71.8636, 0.2856, 0.3060

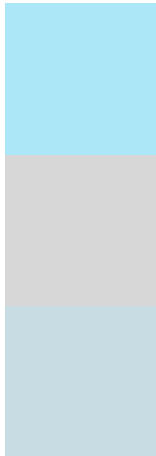
**Deuteranomaly**

72.0249, 0.2858, 0.2978

**Tritanomaly**

72.7620, 0.2658, 0.3086

# Monochromacy



**Original Color**

72.6998, 0.2663, 0.3097

**Achromatopsia**

67.9542, 0.3127, 0.3290

**Achromatomaly**

69.4011, 0.2937, 0.3222

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.6998, 0.2663, 0.3097 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(172, 231, 248)` looks like.

```
.text, #text, p{  
    color:rgb(172, 231, 248)  
}
```

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(172, 231, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 231, 248) }
```

## Border

The CSS property to change the border of an element to Yxy 72.6998, 0.2663, 0.3097 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(172, 231, 248) }
```

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

```
.border{ border-color:rgb(172, 231, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 231, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 231, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 231, 248);  
box-shadow:4px 4px 4px 4px rgb(172, 231,  
248) }
```



# Background

The CSS property to change the background color of an element to Yxy 72.6998, 0.2663, 0.3097 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 231, 248) }
```

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

```
.background{ background-color: rgb(172,  
231, 248) }
```

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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