

# Converting Colors

$Yxy(72.5376, 0.2744, 0.3299)$

Have a look what the booklet for  
Yxy(72.5376, 0.2744, 0.3299)  
contains.

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# Color

**Yxy(72.7619, 0.2744, 0.3300)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ABE9E8
RGB	171, 233, 232
RGB Percent	67%, 91%, 91%
CMY	0.3294, 0.0863, 0.0901
CMYK	0.27, 0.00, 0.00, 0.09
HSL	179°, 58%, 79%
HSV	179°, 27%, 91%
XYZ	60.5026, 72.7619, 87.2261
YIQ	214.3480, -36.6310, -13.4550

# Conversions

## Conversions Part 2

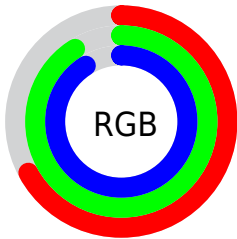
Format	Color
<b>RYB</b>	171, 202, 233
Decimal	11266536
CIELab	88.33, -19.60, -5.86
CIELCh	88, 20.461, 196.649
Yxy	72.7619, 0.2744, 0.3300
Android (android.graphics.Color)	4289456616 (0xFFABE9E8)
YUV	214.3480, 8.7024, -38.0162
Hunter-Lab	85.3006, -22.6682, -0.9179

# Details

The Yxy color **72.7619, 0.2744, 0.3300** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **49.4271, 0.3691, 0.3281**, and the grayscale version is **67.4533, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.2340, 0.2964, 0.3290**, and **38.3608, 0.2661, 0.3304** is the 20% darker color. If you saturate the color by 10%, you get **70.3543, 0.2622, 0.3304**, and if you desaturate by 10%, it is **75.6366, 0.2880, 0.3296**.

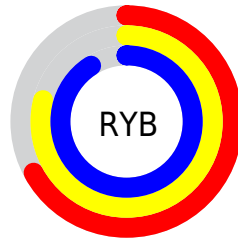
# Distribution



Red (67%)

Green (91%)

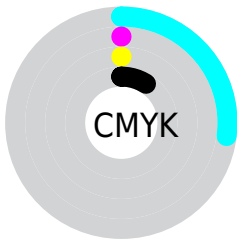
Blue (91%)



Red (67%)

Yellow (79%)

Blue (91%)

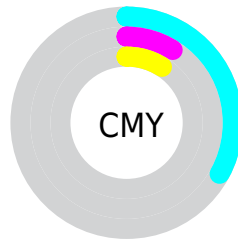


Cyan (27%)

Magenta (0%)

Yellow (0%)

Black (9%)



Cyan (33%)

Magenta (9%)


Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.7619, 0.2744, 0.3300 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 72.7619, 0.2744, 0.3300 by changing the saturation by 10% instead.





 72.7619, 0.2744,  
0.3300

 72.7619, 0.2744,  
0.3300


470.1892, 0.2920,  
0.3298

 53.7813, 0.2704,  
0.3300


 123.1391, 0.2805,  
0.3300

 38.4268, 0.2656,  
0.3300

155.3046, 0.2828,  
0.3299

 26.3141, 0.2594,  
0.3299


192.6337, 0.2849,  
0.3299

 17.0588, 0.2515,  
0.3296

235.5110, 0.2866,  
0.3299

 10.2764, 0.2407,  
0.3292

284.3208, 0.2882,  
0.3299

 5.5826, 0.2255,  
0.3283

339.4475, 0.2896,

 2.5930, 0.2024,

0.3298

401.2755, 0.2908,  
0.3298

0.3262

0.9231, 0.1418,  
0.3286

0.0000, 0.0000,  
0.0000

72.7619, 0.2744,  
0.3300

72.7619, 0.2744,  
0.3300

70.3543, 0.2622,  
0.3304

75.6366, 0.2880,  
0.3296

68.3807, 0.2515,  
0.3309

78.9921, 0.3026,  
0.3292

66.8177, 0.2427,  
0.3314

82.8522, 0.3180,  
0.3289

65.6361, 0.2358,  
0.3319


85.4496, 0.3274,  
0.3286


 64.8026, 0.2308,  
0.3324


 85.4704, 0.3272,  
0.3282


 64.2785, 0.2277,  
0.3329


 85.4912, 0.3270,  
0.3279

 64.0147, 0.2263,  
0.3334

 85.5121, 0.3267,  
0.3275

 63.9569, 0.2260,  
0.3335

 85.5330, 0.3265,  
0.3271

 85.5539, 0.3263,  
0.3268

# Harmonies

## Analogous

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



72.7619, 0.2927, 0.3527



72.7619, 0.2744, 0.3300



72.7619, 0.2662, 0.3081

# Triad

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



72.7619, 0.2744, 0.3300



72.7619, 0.3071, 0.2931



72.7619, 0.3571, 0.3641

# Complementary

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



72.7619, 0.2744, 0.3300



49.4271, 0.3691, 0.3281

# 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.



72.7619, 0.3616, 0.3469



72.7619, 0.2744, 0.3300



72.7619, 0.3321, 0.3068

# Square

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



72.7619, 0.2744, 0.3300



72.7619, 0.2845, 0.2879



72.7619, 0.3523, 0.3262



72.7619, 0.3405, 0.3726

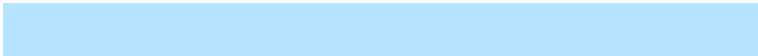


# Rectangle

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



72.7619, 0.2744, 0.3300



72.7619, 0.2673, 0.2970



72.7619, 0.3523, 0.3262



72.7619, 0.3601, 0.3591

# Sweetspot

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



72.7648, 0.2744, 0.3300



96.3137, 0.3005, 0.3293



69.9933, 0.3098, 0.4052



20.4763, 0.2982, 0.3293



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

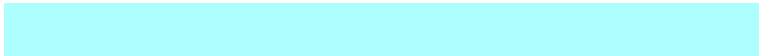


# Same Dimension

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



72.7648, 0.2744, 0.3300



87.5885, 0.2674, 0.3302



57.2693, 0.2704, 0.2929



17.1176, 0.2983, 0.3293



36.2919, 0.2260, 0.3335



2.8511, 0.2258, 0.3328



# Inverse Universe

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



49.4271, 0.3691, 0.3281



54.3829, 0.3857, 0.3279



62.0223, 0.3614, 0.3625



15.0578, 0.3291, 0.3287



9.8360, 0.6384, 0.3290

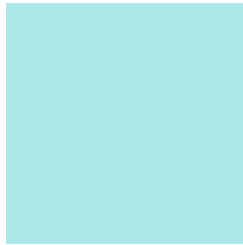


0.7737, 0.6338, 0.3265



# Previews

## White Background



This preview shows how the Yxy color 72.7619, 0.2744, 0.3300 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

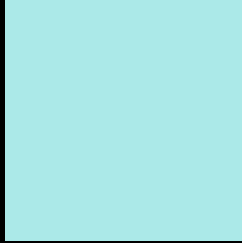
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 72.7619, 0.2744, 0.3300 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

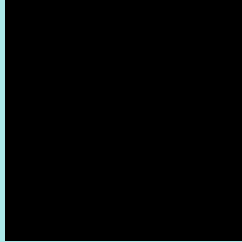
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 72.7619, 0.2744, 0.3300**

## **Background**



This preview shows how black text looks on a background with the Yxy color 72.7619, 0.2744, 0.3300.

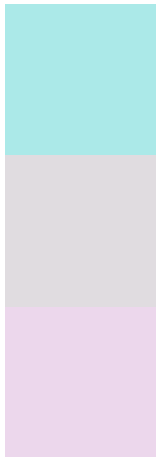


This preview shows how white text looks on a background with the Yxy color 72.7619, 0.2744, 0.3300.

# 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**

72.7619, 0.2744, 0.3300

**Protanopia**

72.4155, 0.3129, 0.3247

**Deuteranopia**

72.4899, 0.3137, 0.3072



## Tritanopia

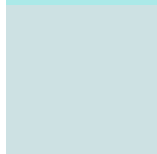
72.5471, 0.2674, 0.3075

# Trichromacy



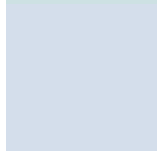
## Original Color

72.7619, 0.2744, 0.3300



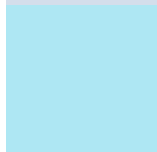
## Protanomaly

72.3756, 0.2978, 0.3267



## Deuteranomaly

72.2378, 0.2975, 0.3148



## Tritanomaly

72.6216, 0.2700, 0.3152

# Monochromacy



## Original Color

72.7619, 0.2744, 0.3300



## Achromatopsia

67.2443, 0.3127, 0.3290



## Achromatomaly

68.9391, 0.2968, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.7619, 0.2744, 0.3300 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(171, 233, 232)` looks like.

```
.text, #text, p{  
    color:rgb(171, 233, 232)  
}
```

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(171, 233, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 233, 232) }
```

## Border

The CSS property to change the border of an element to Yxy 72.7619, 0.2744, 0.3300 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(171, 233, 232) }
```

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

```
.border{ border-color:rgb(171, 233, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 233, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 233, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 233, 232);  
box-shadow:4px 4px 4px 4px rgb(171, 233,  
232) }
```



# Background

The CSS property to change the background color of an element to Yxy 72.7619, 0.2744, 0.3300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 233, 232) }
```

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

```
.background{ background-color: rgb(171,  
233, 232) }
```

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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