

# Converting Colors

$Yxy(72.2553, 0.2881, 0.3435)$

Have a look what the booklet for  
Yxy(72.2553, 0.2881, 0.3435)  
contains.

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# Color

**Yxy(72.2114, 0.2880, 0.3428)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B6E7DB
RGB	182, 231, 219
RGB Percent	71%, 91%, 86%
CMY	0.2860, 0.0942, 0.1411
CMYK	0.21, 0.00, 0.05, 0.09
HSL	165°, 50%, 81%
HSV	165°, 21%, 91%
XYZ	60.6677, 72.2114, 77.7726
YIQ	214.9810, -25.3520, -14.1200

# Conversions

## Conversions Part 2

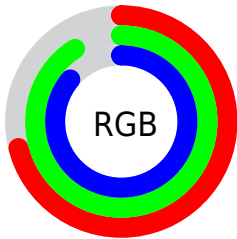
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	182, 210, 231
Decimal	11986907
CIE Lab	88.07, -18.08, 0.65
CIE LCh	88, 18.087, 177.936
Yxy	72.2114, 0.2880, 0.3428
Android (android.graphics.Color)	4290176987 (0xFFB6E7DB)
YUV	214.9810, 1.9814, -28.9243
Hunter-Lab	84.9773, -21.2741, 5.2209

# Details

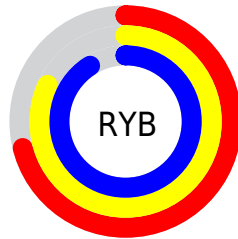
The Yxy color **72.2114, 0.2880, 0.3428** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **54.3685, 0.3451, 0.3157**, and the grayscale version is **67.9518, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.0907, 0.3029, 0.3290**, and **37.9295, 0.2820, 0.3458** is the 20% darker color. If you saturate the color by 10%, you get **69.3361, 0.2775, 0.3503**, and if you desaturate by 10%, it is **75.5667, 0.2994, 0.3359**.

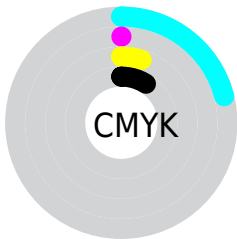
# Distribution



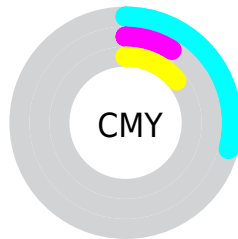
- Red (71%)
- Green (91%)
- Blue (86%)



- Red (71%)
- Yellow (82%)
- Blue (91%)



- Cyan (21%)
- Magenta (0%)
- Yellow (5%)
- Black (9%)




- Cyan (29%)
- Magenta (9%)
- Yellow (14%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.2114, 0.2880, 0.3428 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 72.2114, 0.2880, 0.3428 by changing the saturation by 10% instead.




 72.2114, 0.2880,  
0.3428

 72.2114, 0.2880,  
0.3428


468.2771, 0.2995,  
0.3364

 53.3314, 0.2854,  
0.3443


 122.3570, 0.2920,  
0.3406

 38.0674, 0.2821,  
0.3461


154.3914, 0.2935,  
0.3397

 26.0350, 0.2780,  
0.3484


191.5794, 0.2949,  
0.3390

 16.8498, 0.2726,  
0.3514

234.3054, 0.2960,  
0.3383

 10.1275, 0.2653,  
0.3556

282.9538, 0.2970,  
0.3378

 5.4836, 0.2546,  
0.3616

337.9089, 0.2979,

 2.5337, 0.2379,

0.3372

399.5552, 0.2987,  
0.3368

0.3712

0.8934, 0.1830,  
0.4009

0.0000, 0.0000,  
0.0000

72.2114, 0.2880,  
0.3428

72.2114, 0.2880,  
0.3428

69.3361, 0.2775,  
0.3503

75.5667, 0.2994,  
0.3359

66.9090, 0.2681,  
0.3583

79.4143, 0.3113,  
0.3297

64.9085, 0.2601,  
0.3668

83.7771, 0.3235,  
0.3241

63.3072, 0.2538,  
0.3757

84.7932, 0.3223,  
0.3186

■ 62.0749, 0.2494,  
0.3848

■ 85.1373, 0.3187,  
0.3132

■ 61.1769, 0.2470,  
0.3940

■ 85.4920, 0.3151,  
0.3078

■ 60.5715, 0.2466,  
0.4031

■ 85.6250, 0.3138,  
0.3058

■ 60.2200, 0.2475,  
0.4111

# Harmonies

## Analogous

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



72.2114, 0.3081, 0.3598



72.2114, 0.2880, 0.3428



72.2114, 0.2747, 0.3223

# Triad

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



72.2114, 0.2880, 0.3428



72.2114, 0.2947, 0.2931



72.2114, 0.3559, 0.3514

# Complementary

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



72.2114, 0.2880, 0.3428



54.3685, 0.3451, 0.3157

# 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.



72.2114, 0.3522, 0.3336



72.2114, 0.2880, 0.3428



72.2114, 0.3162, 0.3008

# Square

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



72.2114, 0.2880, 0.3428



72.2114, 0.2785, 0.2942



72.2114, 0.3375, 0.3154



72.2114, 0.3476, 0.3641



# Rectangle

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



72.2114, 0.2880, 0.3428



72.2114, 0.2713, 0.3098



72.2114, 0.3375, 0.3154



72.2114, 0.3560, 0.3458

# Sweetspot

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



72.2144, 0.2880, 0.3428



96.9741, 0.3055, 0.3326



72.0344, 0.3183, 0.3863



20.6889, 0.3047, 0.3331



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

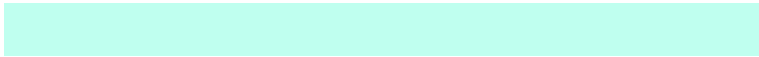


# Same Dimension

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



72.2144, 0.2880, 0.3428



88.8848, 0.2837, 0.3457



66.2597, 0.2802, 0.3147



16.2730, 0.3014, 0.3348



33.7848, 0.2471, 0.4096



2.5110, 0.2434, 0.3964



# Inverse Universe

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



54.3685, 0.3451, 0.3157



63.1281, 0.3529, 0.3130



59.0845, 0.3526, 0.3428



14.4255, 0.3254, 0.3233



9.7036, 0.5941, 0.3046

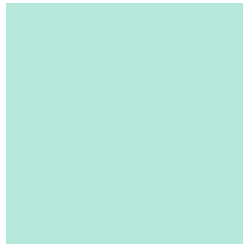


0.7315, 0.5528, 0.2819



# Previews

## White Background



This preview shows how the Yxy color 72.2114, 0.2880, 0.3428 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

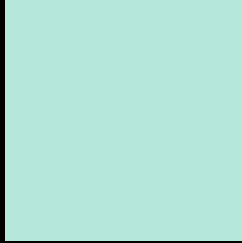
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 72.2114, 0.2880, 0.3428 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

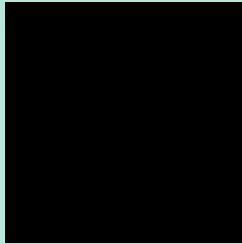
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

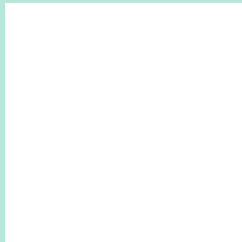
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 72.2114, 0.2880, 0.3428**

## **Background**



This preview shows how black text looks on a background with the Yxy color 72.2114, 0.2880, 0.3428.

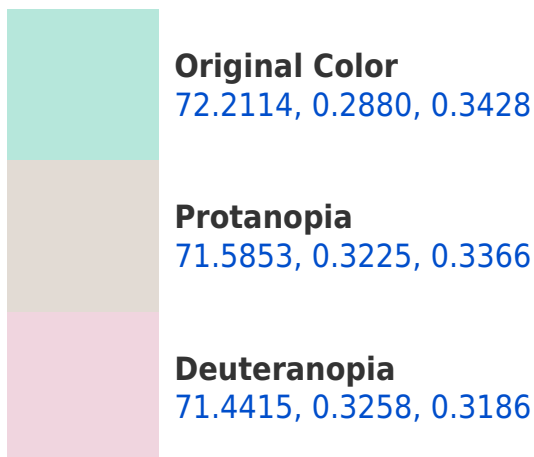


This preview shows how white text looks on a background with the Yxy color 72.2114, 0.2880, 0.3428.

# 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

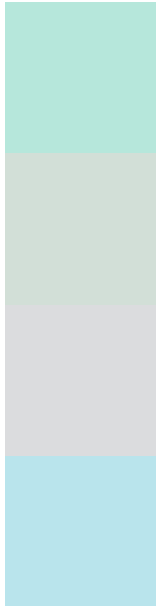




## Tritanopia

72.0955, 0.2761, 0.3088

# Trichromacy



## Original Color

72.2114, 0.2880, 0.3428

## Protanomaly

71.3833, 0.3088, 0.3379

## Deuteranomaly

71.5204, 0.3107, 0.3268

## Tritanomaly

71.8572, 0.2799, 0.3198

# Monochromacy



## Original Color

72.2114, 0.2880, 0.3428

## Achromatopsia

67.9542, 0.3127, 0.3290

## Achromatomaly

69.3673, 0.3033, 0.3346

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.2114, 0.2880, 0.3428 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(182, 231, 219)` looks like.

```
.text, #text, p{  
    color:rgb(182, 231, 219)  
}
```

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(182, 231, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 231, 219) }
```

## Border

The CSS property to change the border of an element to Yxy 72.2114, 0.2880, 0.3428 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(182, 231, 219) }
```

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

```
.border{ border-color:rgb(182, 231, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 231, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 231, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 231, 219);  
box-shadow:4px 4px 4px 4px rgb(182, 231,  
219) }
```



# Background

The CSS property to change the background color of an element to Yxy 72.2114, 0.2880, 0.3428 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 231, 219) }
```

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

```
.background{ background-color: rgb(182,  
231, 219) }
```

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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