

# Converting Colors

$Yxy(72.8721, 0.3029, 0.3494)$

Have a look what the booklet for  
Yxy(72.8721, 0.3029, 0.3494)  
contains.

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# Color

**Yxy(72.7475, 0.3030, 0.3495)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C6E5D3
RGB	198, 229, 211
RGB Percent	78%, 90%, 83%
CMY	0.2234, 0.1020, 0.1726
CMYK	0.14, 0.00, 0.08, 0.10
HSL	145°, 37%, 84%
HSV	145°, 14%, 90%
XYZ	63.0686, 72.7475, 72.3312
YIQ	217.6790, -12.6980, -12.1700

# Conversions

## Conversions Part 2

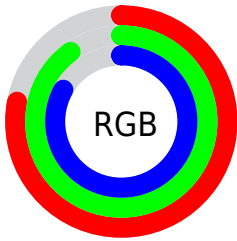
<b>Format</b>	<b>Color</b>
<b>RYB</b>	198, 220, 229
Decimal	13034963
CIELab	88.33, -13.58, 5.37
CIELCh	88, 14.599, 158.438
Yxy	72.7475, 0.3030, 0.3495
Android (android.graphics.Color)	4291225043 (0xFFC6E5D3)
YUV	217.6790, -3.2927, -17.2585
Hunter-Lab	85.2921, -17.2707, 9.4242

# Details

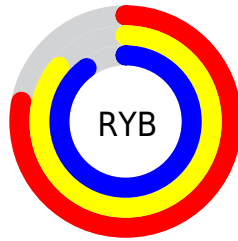
The Yxy color **72.7475, 0.3030, 0.3495** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **62.0190, 0.3238, 0.3094**, and the grayscale version is **69.9119, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **38.2508, 0.3002, 0.3530** is the 20% darker color. If you saturate the color by 10%, you get **69.2290, 0.2961, 0.3668**, and if you desaturate by 10%, it is **76.7980, 0.3102, 0.3340**.

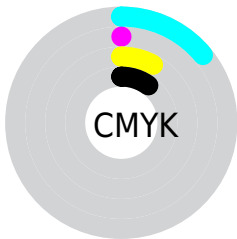
# Distribution



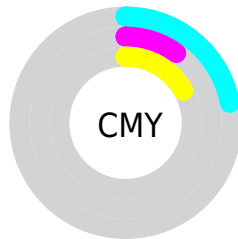
- Red (78%)
- Green (90%)
- Blue (83%)



- Red (78%)
- Yellow (86%)
- Blue (90%)



- Cyan (14%)
- Magenta (0%)
- Yellow (8%)
- Black (10%)




- Cyan (22%)
- Magenta (10%)
- Yellow (17%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.7475, 0.3030, 0.3495 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 72.7475, 0.3030, 0.3495 by changing the saturation by 10% instead.




 72.7475, 0.3030,  
0.3495

 72.7475, 0.3030,  
0.3495

470.1392, 0.3076,  
0.3399

 53.7695, 0.3019,  
0.3517


123.1187, 0.3046,  
0.3461

 38.4174, 0.3006,  
0.3545


155.2807, 0.3052,  
0.3448

 26.3068, 0.2989,  
0.3581


192.6061, 0.3058,  
0.3437

 17.0533, 0.2967,  
0.3629

235.4795, 0.3062,  
0.3427

 10.2725, 0.2935,  
0.3694

284.2850, 0.3066,  
0.3419

 5.5800, 0.2889,  
0.3792

339.4073, 0.3070,

 2.5914, 0.2814,

0.3411

401.2305, 0.3073,  
0.3405

0.3951

0.9224, 0.2599,  
0.4401

0.0000, 0.0000,  
0.0000

72.7475, 0.3030,  
0.3495

72.7475, 0.3030,  
0.3495

69.2290, 0.2961,  
0.3668

76.7980, 0.3102,  
0.3340

66.2110, 0.2896,  
0.3858

81.3923, 0.3174,  
0.3203

63.6724, 0.2840,  
0.4065

84.2609, 0.3165,  
0.3077

61.5872, 0.2794,  
0.4285

84.5190, 0.3139,  
0.3039

■ 59.9267, 0.2763,  
0.4513

■ 58.6590, 0.2750,  
0.4742

■ 57.7471, 0.2756,  
0.4965

■ 57.1465, 0.2781,  
0.5172

■ 56.8792, 0.2804,  
0.5296

# Harmonies

## Analogous

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



72.7475, 0.3207, 0.3587



72.7475, 0.3030, 0.3495



72.7475, 0.2882, 0.3344

# Triad

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



72.7475, 0.3030, 0.3495



72.7475, 0.2889, 0.2997



72.7475, 0.3466, 0.3382

# Complementary

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



72.7475, 0.3030, 0.3495



62.0190, 0.3238, 0.3094

# 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.



72.7475, 0.3376, 0.3231



72.7475, 0.3030, 0.3495



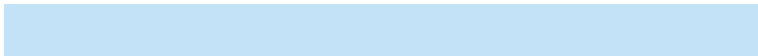
72.7475, 0.3040, 0.3013

# Square

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



72.7475, 0.3030, 0.3495



72.7475, 0.2803, 0.3057



72.7475, 0.3219, 0.3098



72.7475, 0.3461, 0.3515



# Rectangle

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



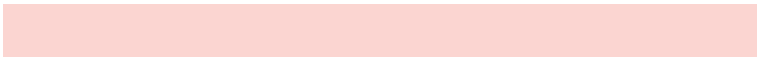
72.7475, 0.3030, 0.3495



72.7475, 0.2819, 0.3235



72.7475, 0.3219, 0.3098



72.7475, 0.3446, 0.3332

# Sweetspot

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



72.7506, 0.3030, 0.3495



97.7402, 0.3098, 0.3348



74.7309, 0.3237, 0.3634



20.8322, 0.3093, 0.3359



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

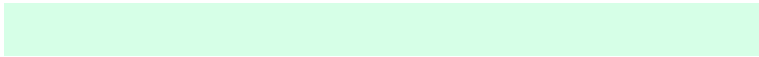


# Same Dimension

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



72.7506, 0.3030, 0.3495



91.6306, 0.3012, 0.3538



73.5625, 0.2937, 0.3318



16.1887, 0.3059, 0.3430



32.5433, 0.2796, 0.5267



2.4230, 0.2716, 0.4977



# Inverse Universe

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



62.0190, 0.3238, 0.3094



75.6238, 0.3262, 0.3055



61.2573, 0.3355, 0.3262



14.5079, 0.3202, 0.3154



10.5207, 0.4611, 0.2314

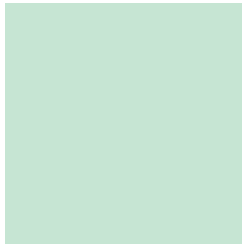


0.7959, 0.4350, 0.2170



# Previews

## White Background



This preview shows how the Yxy color 72.7475, 0.3030, 0.3495 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 72.7475, 0.3030, 0.3495 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

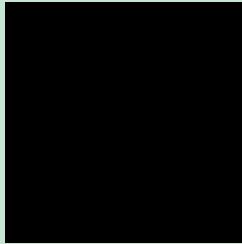
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

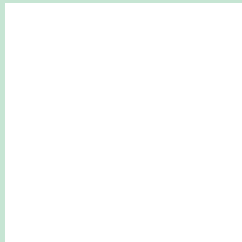
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 72.7475, 0.3030, 0.3495**

## **Background**



This preview shows how black text looks on a background with the Yxy color 72.7475, 0.3030, 0.3495.

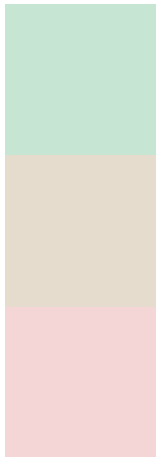


This preview shows how white text looks on a background with the Yxy color 72.7475, 0.3030, 0.3495.

# 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



<b>Original Color</b>
<b>Protanopia</b>
<b>Deuteranopia</b>

72.7475, 0.3030, 0.3495
72.3006, 0.3287, 0.3442
72.3607, 0.3358, 0.3291



## Tritanopia

72.4186, 0.2875, 0.3093

# Trichromacy



## Original Color

72.7475, 0.3030, 0.3495

## Protanomaly

72.2348, 0.3190, 0.3456

## Deuteranomaly

71.9611, 0.3233, 0.3355

## Tritanomaly

72.5797, 0.2928, 0.3234

# Monochromacy



## Original Color

72.7475, 0.3030, 0.3495

## Achromatopsia

70.1102, 0.3127, 0.3290

## Achromatomaly

70.9977, 0.3095, 0.3368

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.7475, 0.3030, 0.3495 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(198, 229, 211)` looks like.

```
.text, #text, p{  
    color:rgb(198, 229, 211)  
}
```

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(198, 229, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 229, 211) }
```

## Border

The CSS property to change the border of an element to Yxy 72.7475, 0.3030, 0.3495 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(198, 229, 211) }
```

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

```
.border{ border-color:rgb(198, 229, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 229, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 229, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 229, 211);  
box-shadow:4px 4px 4px 4px rgb(198, 229,  
211) }
```



# Background

The CSS property to change the background color of an element to  $\text{Yxy } 72.7475, 0.3030, 0.3495$  is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 229, 211) }
```

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

```
.background{ background-color: rgb(198,  
229, 211) }
```

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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