

# Converting Colors

$Y_{xy}(72.5653, 0.3051, 0.3384)$

Have a look what the booklet for  
Yxy(72.5653, 0.3051, 0.3384)  
contains.

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# Color

**Yxy(72.6679, 0.3054, 0.3390)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CFE2D9
RGB	207, 226, 217
RGB Percent	81%, 89%, 85%
CMY	0.1880, 0.1138, 0.1490
CMYK	0.08, 0.00, 0.04, 0.11
HSL	152°, 25%, 85%
HSV	152°, 8%, 89%
XYZ	65.4654, 72.6679, 76.2263
YIQ	219.2930, -8.4350, -6.8270

# Conversions

## Conversions Part 2

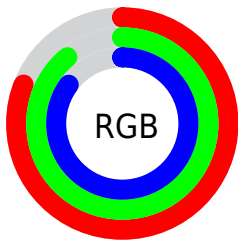
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	207, 219, 226
Decimal	13624025
CIE Lab	88.29, -7.96, 2.22
CIE LCh	88, 8.261, 164.400
Yxy	72.6679, 0.3054, 0.3390
Android (android.graphics.Color)	4291814105 (0xFFCFE2D9)
YUV	219.2930, -1.1304, -10.7810
Hunter-Lab	85.2455, -12.0981, 6.6549

# Details

The Yxy color **72.6679, 0.3054, 0.3390** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **65.7810, 0.3207, 0.3192**, and the grayscale version is **71.0729, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **38.5068, 0.3041, 0.3422** is the 20% darker color. If you saturate the color by 10%, you get **69.1044, 0.2969, 0.3522**, and if you desaturate by 10%, it is **76.7398, 0.3141, 0.3272**.

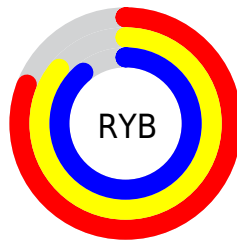
# Distribution



Red (81%)

Green (89%)

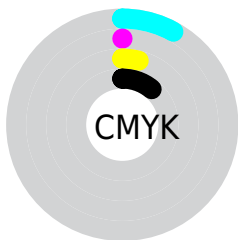
Blue (85%)



Red (81%)

Yellow (86%)

Blue (89%)

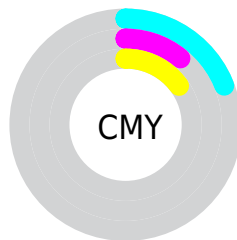


Cyan (8%)

Magenta (0%)

Yellow (4%)

Black (11%)



Cyan (19%)

Magenta (11%)

Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.6679, 0.3054, 0.3390 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 72.6679, 0.3054, 0.3390 by changing the saturation by 10% instead.




 72.6679, 0.3054,  
0.3390

 72.6679, 0.3054,  
0.3390


469.8630, 0.3088,  
0.3343

 53.7045, 0.3046,  
0.3401


123.0056, 0.3066,  
0.3374

 38.3654, 0.3036,  
0.3414


155.1487, 0.3070,  
0.3367

 26.2664, 0.3024,  
0.3431


192.4538, 0.3074,  
0.3362

 17.0231, 0.3008,  
0.3454

235.3053, 0.3078,  
0.3357

 10.2509, 0.2985,  
0.3484

284.0875, 0.3081,  
0.3353

 5.5657, 0.2953,  
0.3530

339.1850, 0.3084,

 2.5828, 0.2900,

0.3350

400.9820, 0.3086,  
0.3346

0.3603

0.9180, 0.2779,  
0.3763

0.0000, 0.0000,  
0.0000

72.6679, 0.3054,  
0.3390

72.6679, 0.3054,  
0.3390

69.1044, 0.2969,  
0.3522

76.7398, 0.3141,  
0.3272

66.0196, 0.2888,  
0.3668

81.3299, 0.3229,  
0.3167

63.3947, 0.2815,  
0.3828

82.4972, 0.3178,  
0.3064

61.2064, 0.2753,  
0.3999

82.8670, 0.3140,  
0.3009

■ 59.4288, 0.2705,  
0.4180

■ 58.0336, 0.2675,  
0.4366

■ 56.9884, 0.2664,  
0.4554

■ 56.2553, 0.2673,  
0.4738

■ 55.7793, 0.2701,  
0.4913

# Harmonies

## Analogous

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



72.6679, 0.3153, 0.3449



72.6679, 0.3054, 0.3390



72.6679, 0.2975, 0.3303

# Triad

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



72.6679, 0.3054, 0.3390



72.6679, 0.3007, 0.3121



72.6679, 0.3322, 0.3361

# Complementary

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



72.6679, 0.3054, 0.3390



65.7810, 0.3207, 0.3192

# 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.



72.6679, 0.3281, 0.3274



72.6679, 0.3054, 0.3390



72.6679, 0.3099, 0.3138

# Square

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



72.6679, 0.3054, 0.3390



72.6679, 0.2948, 0.3148



72.6679, 0.3199, 0.3193



72.6679, 0.3309, 0.3430



# Rectangle

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



72.6679, 0.3054, 0.3390



72.6679, 0.2944, 0.3243



72.6679, 0.3199, 0.3193



72.6679, 0.3314, 0.3333

# Sweetspot

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



72.6710, 0.3054, 0.3390



98.3463, 0.3101, 0.3325



73.5255, 0.3181, 0.3499



20.9578, 0.3094, 0.3335



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

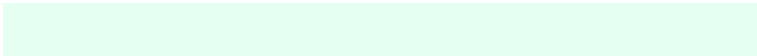


# Same Dimension

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



72.6710, 0.3054, 0.3390



94.7256, 0.3039, 0.3411



72.9798, 0.2998, 0.3286



15.4570, 0.3045, 0.3403



31.8122, 0.2698, 0.4914



2.2231, 0.2623, 0.4643



# Inverse Universe

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



65.7810, 0.3207, 0.3192



83.9624, 0.3225, 0.3172



65.4820, 0.3271, 0.3294



13.8083, 0.3218, 0.3179



9.8561, 0.5060, 0.2561

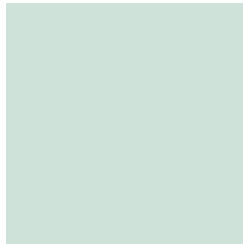


0.7012, 0.4700, 0.2363



# Previews

## White Background



This preview shows how the Yxy color 72.6679, 0.3054, 0.3390 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

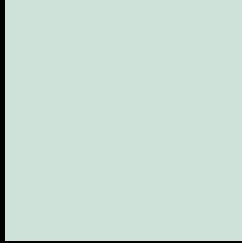
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 72.6679, 0.3054, 0.3390 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

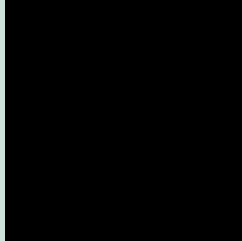
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

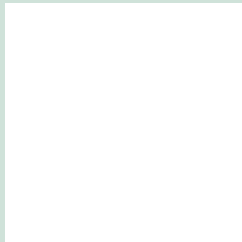
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 72.6679, 0.3054, 0.3390**

## **Background**



This preview shows how black text looks on a background with the Yxy color 72.6679, 0.3054, 0.3390.

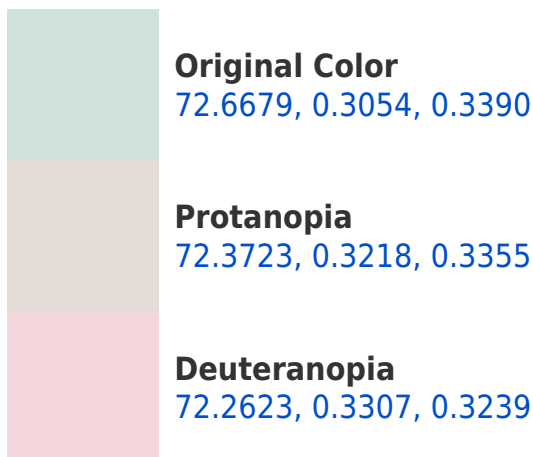


This preview shows how white text looks on a background with the Yxy color 72.6679, 0.3054, 0.3390.

# 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

72.3827, 0.2938, 0.3095

# Trichromacy



## Original Color

72.6679, 0.3054, 0.3390

## Protanomaly

72.3645, 0.3159, 0.3367

## Deuteranomaly

72.0278, 0.3214, 0.3290

## Tritanomaly

72.3032, 0.2981, 0.3191

# Monochromacy



## Original Color

72.6679, 0.3054, 0.3390

## Achromatopsia

70.8376, 0.3127, 0.3290

## Achromatomaly

71.7516, 0.3104, 0.3334

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.6679, 0.3054, 0.3390 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(207, 226, 217)` looks like.

```
.text, #text, p{  
    color:rgb(207, 226, 217)  
}
```

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(207, 226, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 226, 217) }
```

## Border

The CSS property to change the border of an element to Yxy 72.6679, 0.3054, 0.3390 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(207, 226, 217) }
```

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

```
.border{ border-color:rgb(207, 226, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 226, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 226, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 226, 217);  
box-shadow:4px 4px 4px 4px rgb(207, 226,  
217) }
```



# Background

The CSS property to change the background color of an element to Yxy 72.6679, 0.3054, 0.3390 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 226, 217) }
```

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

```
.background{ background-color: rgb(207,  
226, 217) }
```

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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