

Converting Colors

$Y_{xy}(72.2002, 0.3073, 0.3494)$

Have a look what the booklet for
Yxy(72.2002, 0.3073, 0.3494)
contains.

Yxy(72.2381, 0.3076, 0.3494)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(72.2381, 0.3076, 0.3494)

Conversions

Conversions Part 1

Format	Color
Hex	CBE3D1
RGB	203, 227, 209
RGB Percent	80%, 89%, 82%
CMY	0.2041, 0.1097, 0.1804
CMYK	0.11, 0.00, 0.08, 0.11
HSL	135°, 30%, 84%
HSV	135°, 11%, 89%
XYZ	63.5960, 72.2381, 70.9149
YIQ	217.7720, -8.5260, -10.6860

Conversions

Conversions Part 2

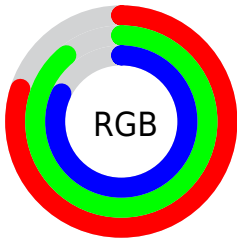
Format	Color
R_{YB}	203, 222, 227
Decimal	13362129
CIE _{Lab}	88.08, -11.31, 6.09
CIE _{LCh}	88, 12.848, 151.702
Yxy	72.2381, 0.3076, 0.3494
Android (android.graphics.Color)	4291552209 (0xFFCBE3D1)
YUV	217.7720, -4.3246, -12.9550
Hunter-Lab	84.9930, -15.1752, 10.0258

Details

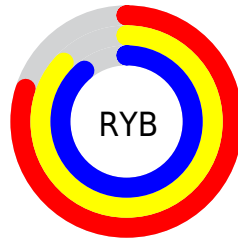
The Yxy color **72.2381, 0.3076, 0.3494** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **64.2402, 0.3183, 0.3094**, and the grayscale version is **69.9768, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **38.2612, 0.3062, 0.3543** is the 20% darker color. If you saturate the color by 10%, you get **68.4875, 0.3028, 0.3712**, and if you desaturate by 10%, it is **76.5512, 0.3124, 0.3301**.

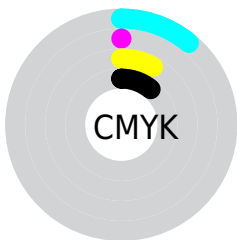
Distribution



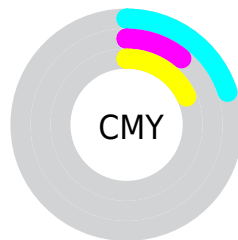
- Red (80%)
- Green (89%)
- Blue (82%)



- Red (80%)
- Yellow (87%)
- Blue (89%)



- Cyan (11%)
- Magenta (0%)
- Yellow (8%)
- Black (11%)



- Cyan (20%)
- Magenta (11%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 72.2381, 0.3076, 0.3494 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 72.2381, 0.3076, 0.3494 by changing the saturation by 10% instead.

■ 72.2381, 0.3076,
0.3494

■ 72.2381, 0.3076,
0.3494

468.3699, 0.3100,
0.3398

■ 53.3532, 0.3070,
0.3516

122.3950, 0.3085,
0.3460

■ 38.0848, 0.3063,
0.3544

154.4358, 0.3088,
0.3447

■ 26.0485, 0.3054,
0.3580

191.6306, 0.3091,
0.3436

■ 16.8599, 0.3041,
0.3627

234.3639, 0.3093,
0.3427

■ 10.1347, 0.3023,
0.3693

283.0201, 0.3095,
0.3418

■ 5.4883, 0.2997,
0.3791

337.9836, 0.3097,

■ 2.5365, 0.2952,

0.3411

0.3950

399.6387, 0.3099,
0.3404

0.8949, 0.2847,
0.4435

0.0000, 0.0000,
0.0000

72.2381, 0.3076,
0.3494

72.2381, 0.3076,
0.3494

68.4875, 0.3028,
0.3712

76.5512, 0.3124,
0.3301

65.2673, 0.2982,
0.3954

81.4393, 0.3172,
0.3131

62.5558, 0.2941,
0.4218

83.4281, 0.3140,
0.3019

60.3265, 0.2907,
0.4498

■ 58.5504, 0.2883,
0.4785

■ 57.1950, 0.2873,
0.5067

■ 56.2238, 0.2877,
0.5328

■ 55.5934, 0.2896,
0.5553

■ 55.2447, 0.2923,
0.5724

Harmonies

Analogous

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



72.2381, 0.3232, 0.3559



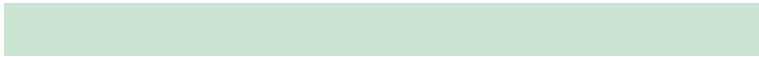
72.2381, 0.3076, 0.3494



72.2381, 0.2936, 0.3370

Triad

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



72.2381, 0.3076, 0.3494



72.2381, 0.2894, 0.3037



72.2381, 0.3414, 0.3342

Complementary

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



72.2381, 0.3076, 0.3494



64.2402, 0.3183, 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.



72.2381, 0.3319, 0.3209



72.2381, 0.3076, 0.3494



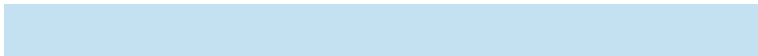
72.2381, 0.3018, 0.3036

Square

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



72.2381, 0.3076, 0.3494



72.2381, 0.2833, 0.3105



72.2381, 0.3173, 0.3098



72.2381, 0.3430, 0.3466

Rectangle

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



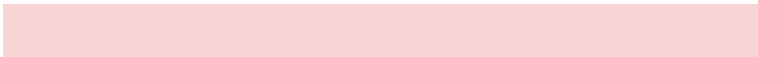
72.2381, 0.3076, 0.3494



72.2381, 0.2870, 0.3274



72.2381, 0.3173, 0.3098



72.2381, 0.3391, 0.3297

Sweetspot

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



72.2412, 0.3076, 0.3494



98.2146, 0.3113, 0.3345



74.6298, 0.3242, 0.3554



20.9223, 0.3109, 0.3361



0.0000, 0.0000, 0.0000



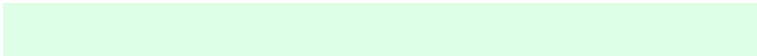
21.4041, 0.3127, 0.3290

Same Dimension

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



72.2412, 0.3076, 0.3494



92.7498, 0.3064, 0.3546



72.8580, 0.3001, 0.3357



16.1484, 0.3082, 0.3471



32.2289, 0.2917, 0.5700



2.3963, 0.2838, 0.5418

Inverse Universe

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



64.2402, 0.3183, 0.3094



80.1173, 0.3197, 0.3047



63.6235, 0.3270, 0.3224



14.5500, 0.3176, 0.3116



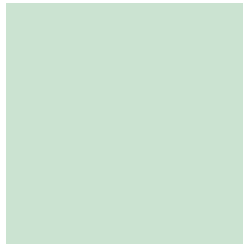
11.2341, 0.3966, 0.1959



0.8448, 0.3832, 0.1884

Previews

White Background



This preview shows how the Yxy color 72.2381, 0.3076, 0.3494 looks on a white background.

Color Contrast Check

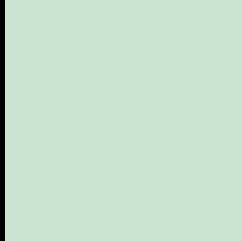
Large Text (above 18pt) WCAG AA × Fail

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 72.2381, 0.3076, 0.3494 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

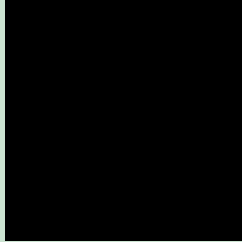
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

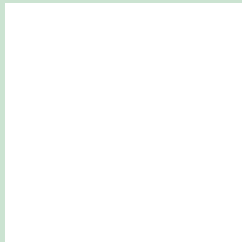
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 72.2381, 0.3076, 0.3494

Background



This preview shows how black text looks on a background with the Yxy color 72.2381, 0.3076, 0.3494.

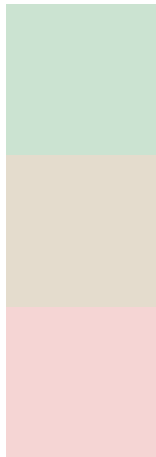


This preview shows how white text looks on a background with the Yxy color 72.2381, 0.3076, 0.3494.

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

72.2381, 0.3076, 0.3494

Protanopia

72.0882, 0.3287, 0.3453

Deuteranopia

71.7544, 0.3374, 0.3301



Tritanopia

71.9437, 0.2918, 0.3094

Trichromacy



Original Color

72.2381, 0.3076, 0.3494

Protanomaly

72.2917, 0.3211, 0.3478

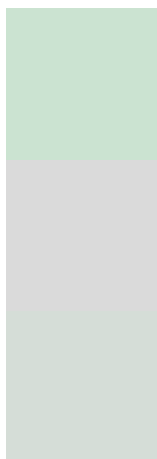
Deuteranomaly

71.6690, 0.3262, 0.3366

Tritanomaly

72.0903, 0.2972, 0.3234

Monochromacy



Original Color

72.2381, 0.3076, 0.3494

Achromatopsia

70.1102, 0.3127, 0.3290

Achromatomaly

70.7653, 0.3110, 0.3357

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.2381, 0.3076, 0.3494 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(203, 227, 209)` looks like.

```
.text, #text, p{  
    color:rgb(203, 227, 209)  
}
```

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(203, 227, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 227, 209) }
```

Border

The CSS property to change the border of an element to Yxy 72.2381, 0.3076, 0.3494 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(203, 227, 209) }
```

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

```
.border{ border-color:rgb(203, 227, 209) }
```

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

Here you see how a box with a 4 pixel rgb(203, 227, 209) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 227, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 227, 209);  
box-shadow:4px 4px 4px 4px rgb(203, 227,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 72.2381, 0.3076, 0.3494 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 227, 209) }
```

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

```
.background{ background-color: rgb(203,  
227, 209) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor