

Converting Colors

Yxy(64.7038, 0.3035, 0.3436)

Have a look what the booklet for
Yxy(64.7038, 0.3035, 0.3436)
contains.

Yxy(64.6778, 0.3035, 0.3432)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(64.6778, 0.3035, 0.3432)

Conversions

Conversions Part 1

Format	Color
Hex	C0D8CC
RGB	192, 216, 204
RGB Percent	75%, 85%, 80%
CMY	0.2469, 0.1529, 0.2001
CMYK	0.11, 0.00, 0.06, 0.15
HSL	150°, 24%, 80%
HSV	150°, 11%, 85%
XYZ	57.1961, 64.6778, 66.5812
YIQ	207.4560, -10.4520, -8.8200

Conversions

Conversions Part 2

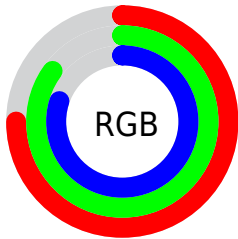
Format	Color
RYB	192, 208, 216
Decimal	12638412
CIELab	84.32, -10.27, 3.20
CIElCh	84, 10.761, 162.676
Yxy	64.6778, 0.3035, 0.3432
Android (android.graphics.Color)	4290828492 (0xFFC0D8CC)
YUV	207.4560, -1.7038, -13.5549
Hunter-Lab	80.4225, -13.7910, 7.2100

Details

The Yxy color $64.6778, 0.3035, 0.3432$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $56.6733, 0.3230, 0.3152$, and the grayscale version is $62.7260, 0.3127, 0.3290$.

A 20% lighter version of the original color is $98.8797, 0.3090, 0.3290$, and $33.0950, 0.3007, 0.3463$ is the 20% darker color. If you saturate the color by 10%, you get $61.5623, 0.2955, 0.3576$, and if you desaturate by 10%, it is $68.2487, 0.3118, 0.3303$.

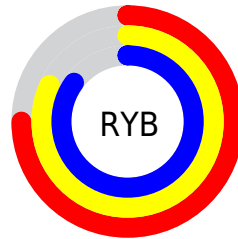
Distribution



Red (75%)

Green (85%)

Blue (80%)



Red (75%)

Yellow (82%)

Blue (85%)

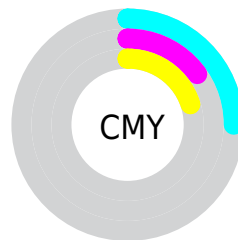


Cyan (11%)

Magenta (0%)

Yellow (6%)

Black (15%)



Cyan (25%)

Magenta (15%)

Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.6778, 0.3035, 0.3432 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 64.6778, 0.3035, 0.3432 by changing the saturation by 10% instead.

■ 64.6778, 0.3035,
0.3432

■ 64.6778, 0.3035,
0.3432

441.6332, 0.3079,
0.3364

■ 47.1999, 0.3025,
0.3448

■ 111.5865, 0.3051,
0.3408

■ 33.1937, 0.3012,
0.3468

141.7861, 0.3056,
0.3399

■ 22.2749, 0.2995,
0.3494

176.9950, 0.3062,
0.3391

■ 14.0590, 0.2972,
0.3529

217.5976, 0.3066,
0.3384

■ 8.1617, 0.2941,
0.3579

263.9783, 0.3070,
0.3378

■ 4.1986, 0.2893,
0.3654

316.5216, 0.3073,

■ 1.7853, 0.2812,

0.3373

0.3782

375.6117, 0.3076,
0.3368

0.4780, 0.2081,
0.4888

0.0000, 0.0000,
0.0000

64.6778, 0.3035,
0.3432

64.6778, 0.3035,
0.3432

61.5623, 0.2955,
0.3576

68.2487, 0.3118,
0.3303

58.8755, 0.2879,
0.3734

72.2844, 0.3202,
0.3189

56.5998, 0.2812,
0.3907

76.4556, 0.3271,
0.3087

54.7138, 0.2756,
0.4091

77.1063, 0.3196,
0.2983

■ 53.1937, 0.2715,
0.4284

■ 77.5916, 0.3145,
0.2910

■ 52.0131, 0.2691,
0.4482

■ 51.1419, 0.2687,
0.4679

■ 50.5441, 0.2703,
0.4869

■ 50.1873, 0.2731,
0.5030

Harmonies

Analogous

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



64.6778, 0.3170, 0.3510



64.6778, 0.3035, 0.3432



64.6778, 0.2926, 0.3315

Triad

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



64.6778, 0.3035, 0.3432



64.6778, 0.2959, 0.3062



64.6778, 0.3390, 0.3378

Complementary

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



64.6778, 0.3035, 0.3432



56.6733, 0.3230, 0.3152

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.



64.6778, 0.3331, 0.3261



64.6778, 0.3035, 0.3432



64.6778, 0.3080, 0.3082

Square

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



64.6778, 0.3035, 0.3432



64.6778, 0.2883, 0.3102



64.6778, 0.3217, 0.3154



64.6778, 0.3377, 0.3475

Rectangle

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



64.6778, 0.3035, 0.3432



64.6778, 0.2883, 0.3232



64.6778, 0.3217, 0.3154



64.6778, 0.3378, 0.3340

Sweetspot

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



64.6805, 0.3035, 0.3432



98.3332, 0.3102, 0.3327



65.8147, 0.3205, 0.3570



20.9542, 0.3095, 0.3337



0.0000, 0.0000, 0.0000



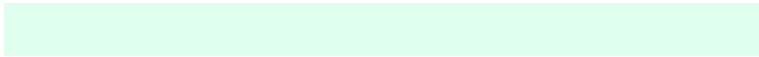
21.4041, 0.3127, 0.3290

Same Dimension

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



64.6805, 0.3035, 0.3432



93.2210, 0.3018, 0.3460



65.2592, 0.2960, 0.3294



13.9982, 0.3049, 0.3409



29.7276, 0.2723, 0.5003



1.8097, 0.2635, 0.4685

Inverse Universe

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



56.6733, 0.3230, 0.3152



79.6240, 0.3252, 0.3126



56.1360, 0.3321, 0.3286



12.5237, 0.3213, 0.3174



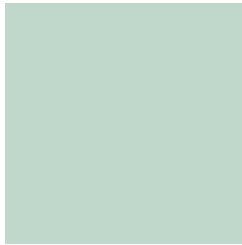
9.3080, 0.4941, 0.2495



0.5781, 0.4562, 0.2287

Previews

White Background



This preview shows how the Yxy color 64.6778, 0.3035, 0.3432 looks on a white background.

Color Contrast Check

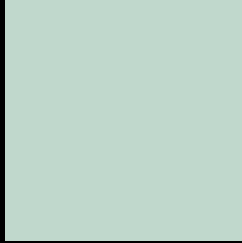
Large Text (above 18pt) WCAG AA × Fail

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 64.6778, 0.3035, 0.3432 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

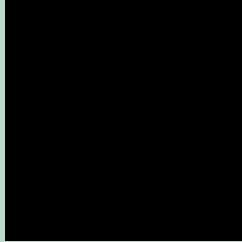
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

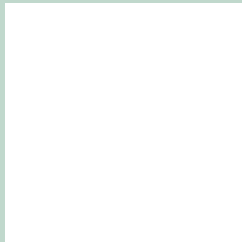
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 64.6778, 0.3035, 0.3432

Background



This preview shows how black text looks on a background with the Yxy color 64.6778, 0.3035, 0.3432.

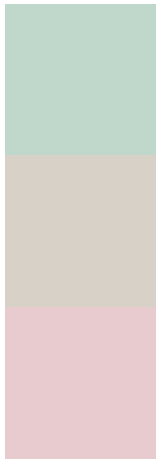


This preview shows how white text looks on a background with the Yxy color 64.6778, 0.3035, 0.3432.

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

64.6778, 0.3035, 0.3432

Protanopia

64.3700, 0.3244, 0.3393

Deuteranopia

64.2058, 0.3316, 0.3247



Tritanopia

64.4799, 0.2902, 0.3095

Trichromacy



Original Color

64.6778, 0.3035, 0.3432

Protanomaly

64.5694, 0.3166, 0.3417

Deuteranomaly

64.3197, 0.3209, 0.3313

Tritanomaly

64.3579, 0.2952, 0.3208

Monochromacy



Original Color

64.6778, 0.3035, 0.3432

Achromatopsia

62.3960, 0.3127, 0.3290

Achromatomaly

63.1060, 0.3095, 0.3337

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.6778, 0.3035, 0.3432 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(192, 216, 204)` looks like.

```
.text, #text, p{  
    color:rgb(192, 216, 204)  
}
```

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(192, 216, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 216, 204) }
```

Border

The CSS property to change the border of an element to Yxy 64.6778, 0.3035, 0.3432 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(192, 216, 204) }
```

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

```
.border{ border-color:rgb(192, 216, 204) }
```

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

Here you see how a box with a 4 pixel rgb(192, 216, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 216, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 216, 204);  
box-shadow:4px 4px 4px 4px rgb(192, 216,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 64.6778, 0.3035, 0.3432 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 216, 204) }
```

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

```
.background{ background-color: rgb(192,  
216, 204) }
```

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