

Converting Colors

$Yxy(64.2886, 0.3075, 0.3726)$

Have a look what the booklet for
Yxy(64.2886, 0.3075, 0.3726)
contains.

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Color

Yxy(64.3504, 0.3078, 0.3733)

Conversions

Conversions Part 1

Format	Color
Hex	B4DCB8
RGB	180, 220, 184
RGB Percent	71%, 86%, 72%
CMY	0.2943, 0.1372, 0.2784
CMYK	0.18, 0.00, 0.16, 0.14
HSL	126°, 36%, 78%
HSV	126°, 18%, 86%
XYZ	53.0593, 64.3504, 54.9728
YIQ	203.9360, -12.2840, -19.6760

Conversions

Conversions Part 2

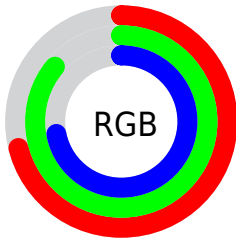
Format	Color
RYB	180, 216, 220
Decimal	11852984
CIELab	84.15, -19.97, 13.41
CIELCh	84, 24.061, 146.117
Yxy	64.3504, 0.3078, 0.3733
Android (android.graphics.Color)	4290043064 (0xFFB4DCB8)
YUV	203.9360, -9.8284, -20.9919
Hunter-Lab	80.2187, -22.3168, 15.5225

Details

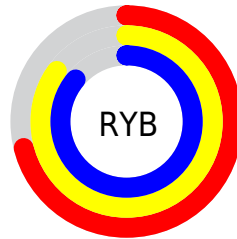
The Yxy color **64.3504, 0.3078, 0.3733** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **52.7982, 0.3180, 0.2884**, and the grayscale version is **60.4065, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.6441, 0.3095, 0.3439**, and **33.0610, 0.3065, 0.3852** is the 20% darker color. If you saturate the color by 10%, you get **61.1473, 0.3050, 0.4019**, and if you desaturate by 10%, it is **68.0940, 0.3105, 0.3477**.

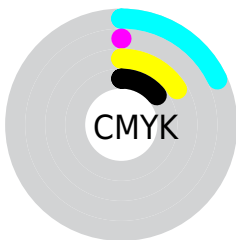
Distribution



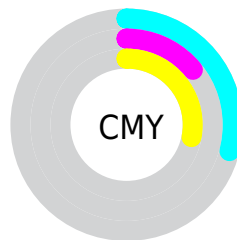
- Red (71%)
- Green (86%)
- Blue (72%)



- Red (71%)
- Yellow (85%)
- Blue (86%)



- Cyan (18%)
- Magenta (0%)
- Yellow (16%)
- Black (14%)



- Cyan (29%)
- Magenta (14%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.3504, 0.3078, 0.3733 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 64.3504, 0.3078, 0.3733 by changing the saturation by 10% instead.

■ 64.3504, 0.3078,
0.3733

■ 64.3504, 0.3078,
0.3733

440.4539, 0.3104,
0.3517

■ 46.9345, 0.3071,
0.3785

■ 111.1154, 0.3088,
0.3656

■ 32.9839, 0.3062,
0.3851

141.2334, 0.3092,
0.3626

■ 22.1141, 0.3049,
0.3938

176.3541, 0.3095,
0.3601

■ 13.9408, 0.3030,
0.4055

216.8621, 0.3097,
0.3580

■ 8.0795, 0.3002,
0.4224

263.1416, 0.3099,
0.3561

■ 4.1459, 0.2952,
0.4487

315.5772, 0.3101,

■ 1.7555, 0.2861,

0.3545

0.4967

374.5532, 0.3103,
0.3530

0.4592, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

64.3504, 0.3078,
0.3733

64.3504, 0.3078,
0.3733

61.1473, 0.3050,
0.4019

68.0940, 0.3105,
0.3477

58.4520, 0.3024,
0.4331

72.3929, 0.3132,
0.3252

56.2408, 0.3000,
0.4660

77.2713, 0.3157,
0.3056

54.4848, 0.2982,
0.4991

79.6745, 0.3143,
0.2950

■ 53.1523, 0.2970,
0.5303

■ 52.2071, 0.2966,
0.5575

■ 51.6072, 0.2971,
0.5784

■ 51.2935, 0.2982,
0.5921

■ 51.2533, 0.2983,
0.5939

Harmonies

Analogous

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



64.3504, 0.3378, 0.3829



64.3504, 0.3078, 0.3733



64.3504, 0.2800, 0.3498

Triad

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



64.3504, 0.3078, 0.3733



64.3504, 0.2648, 0.2818



64.3504, 0.3667, 0.3332

Complementary

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



64.3504, 0.3078, 0.3733



52.7982, 0.3180, 0.2884

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.



64.3504, 0.3453, 0.3088



64.3504, 0.3078, 0.3733



64.3504, 0.2861, 0.2799

Square

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



64.3504, 0.3078, 0.3733



64.3504, 0.2560, 0.2961



64.3504, 0.3154, 0.2897



64.3504, 0.3728, 0.3578

Rectangle

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



64.3504, 0.3078, 0.3733



64.3504, 0.2663, 0.3305



64.3504, 0.3154, 0.2897



64.3504, 0.3610, 0.3248

Sweetspot

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



64.3531, 0.3078, 0.3733



96.9452, 0.3114, 0.3402



69.0882, 0.3370, 0.3746



20.6618, 0.3112, 0.3419



0.0000, 0.0000, 0.0000



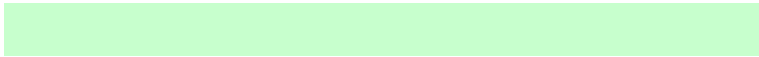
21.4041, 0.3127, 0.3290

Same Dimension

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



64.3531, 0.3078, 0.3733



88.0355, 0.3067, 0.3843



65.2515, 0.2952, 0.3483



14.6275, 0.3102, 0.3507



30.0829, 0.2979, 0.5925



1.9564, 0.2926, 0.5732

Inverse Universe

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



52.7982, 0.3180, 0.2884



68.9210, 0.3193, 0.2793



51.8266, 0.3343, 0.3105



13.2510, 0.3153, 0.3082



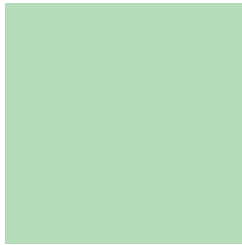
11.3259, 0.3480, 0.1691



0.7404, 0.3430, 0.1663

Previews

White Background



This preview shows how the Yxy color 64.3504, 0.3078, 0.3733 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 64.3504, 0.3078, 0.3733 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

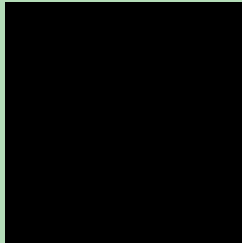
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

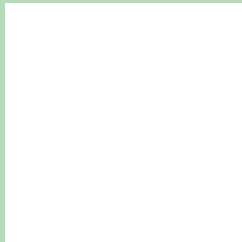
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 64.3504, 0.3078, 0.3733

Background



This preview shows how black text looks on a background with the Yxy color 64.3504, 0.3078, 0.3733.



This preview shows how white text looks on a background with the Yxy color 64.3504, 0.3078, 0.3733.

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

64.3504, 0.3078, 0.3733

Protanopia

64.0309, 0.3435, 0.3645

Deuteranopia

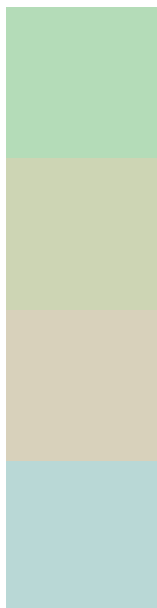
63.8764, 0.3511, 0.3444



Tritanopia

64.5540, 0.2837, 0.3093

Trichromacy



Original Color

64.3504, 0.3078, 0.3733

Protanomaly

63.8629, 0.3296, 0.3680

Deuteranomaly

63.7877, 0.3338, 0.3543

Tritanomaly

64.2811, 0.2922, 0.3313

Monochromacy



Original Color

64.3504, 0.3078, 0.3733

Achromatopsia

60.3827, 0.3127, 0.3290

Achromatomaly

61.7265, 0.3105, 0.3445

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.3504, 0.3078, 0.3733 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(180, 220, 184)` looks like.

```
.text, #text, p{  
    color:rgb(180, 220, 184)  
}
```

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(180, 220, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 220, 184) }
```

Border

The CSS property to change the border of an element to Yxy 64.3504, 0.3078, 0.3733 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(180, 220, 184) }
```

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

```
.border{ border-color:rgb(180, 220, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 220, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(180, 220, 184); -webkit-box-shadow:4px 4px 4px 4px rgb(180, 220, 184); box-shadow:4px 4px 4px 4px rgb(180, 220, 184) }
```


Background

The CSS property to change the background color of an element to Yxy 64.3504, 0.3078, 0.3733 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 220, 184) }
```

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

```
.background{ background-color: rgb(180,  
220, 184) }
```

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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