

Converting Colors

Yxy(64.7546, 0.3171, 0.3768)

Have a look what the booklet for
Yxy(64.7546, 0.3171, 0.3768)
contains.

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Color

Yxy(64.7771, 0.3169, 0.3763)

Conversions

Conversions Part 1

Format	Color
Hex	BDDBB4
RGB	189, 219, 180
RGB Percent	74%, 86%, 71%
CMY	0.2589, 0.1411, 0.2941
CMYK	0.14, 0.00, 0.18, 0.14
HSL	106°, 35%, 78%
HSV	106°, 18%, 86%
XYZ	54.5519, 64.7771, 52.8132
YIQ	205.5840, -5.3610, -18.4890

Conversions

Conversions Part 2

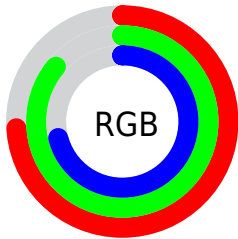
Format	Color
RYB	180, 219, 210
Decimal	12442548
CIELab	84.37, -17.10, 15.91
CIELCh	84, 23.357, 137.072
Yxy	64.7771, 0.3169, 0.3763
Android (android.graphics.Color)	4290632628 (0xFFBDDBB4)
YUV	205.5840, -12.6129, -14.5442
Hunter-Lab	80.4842, -19.8609, 17.4332

Details

The Yxy color **64.7771, 0.3169, 0.3763** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **51.4708, 0.3074, 0.2841**, and the grayscale version is **61.5255, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.1690, 0.3181, 0.3477**, and **33.2341, 0.3173, 0.3892** is the 20% darker color. If you saturate the color by 10%, you get **61.9237, 0.3189, 0.4067**, and if you desaturate by 10%, it is **68.0279, 0.3146, 0.3486**.

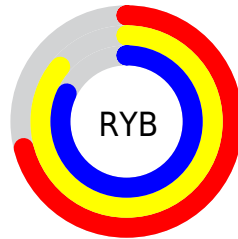
Distribution



Red (74%)

Green (86%)

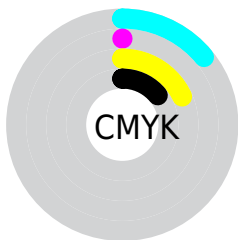
Blue (71%)



Red (71%)

Yellow (86%)

Blue (82%)

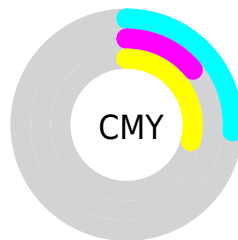


Cyan (14%)

Magenta (0%)

Yellow (18%)

Black (14%)



Cyan (26%)


Magenta (14%)


Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.7771, 0.3169, 0.3763 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 64.7771, 0.3169, 0.3763 by changing the saturation by 10% instead.

 64.7771, 0.3169,
0.3763

 64.7771, 0.3169,
0.3763


441.9905, 0.3153,
0.3533

 47.2804, 0.3172,
0.3818


 111.7293, 0.3164,
0.3681

 33.2573, 0.3175,
0.3888


141.9536, 0.3162,
0.3650

 22.3237, 0.3178,
0.3980


177.1892, 0.3160,
0.3623

 14.0949, 0.3180,
0.4103

217.8205, 0.3158,
0.3600

 8.1867, 0.3180,
0.4280

264.2319, 0.3156,
0.3580

 4.2147, 0.3172,
0.4552

316.8078, 0.3155,

 1.7943, 0.3170,

0.3563

375.9325, 0.3154,
0.3547

0.5076

0.4836, 0.0802,
0.9198

0.0000, 0.0000,
0.0000

64.7771, 0.3169,
0.3763

64.7771, 0.3169,
0.3763

61.9237, 0.3189,
0.4067

68.0279, 0.3146,
0.3486

59.4443, 0.3203,
0.4392

71.6822, 0.3122,
0.3238

57.3255, 0.3210,
0.4727

75.7563, 0.3097,
0.3019

55.5499, 0.3207,
0.5056

79.1486, 0.3144,
0.2940

■ 54.0985, 0.3193,
0.5358

■ 52.9504, 0.3168,
0.5613

■ 52.0822, 0.3132,
0.5800

■ 51.4643, 0.3090,
0.5915

■ 51.3552, 0.3082,
0.5935

Harmonies

Analogous

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



64.7771, 0.3451, 0.3809



64.7771, 0.3169, 0.3763



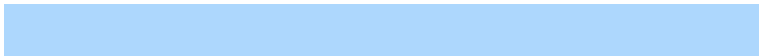
64.7771, 0.2885, 0.3570

Triad

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



64.7771, 0.3169, 0.3763



64.7771, 0.2623, 0.2862



64.7771, 0.3601, 0.3258

Complementary

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



64.7771, 0.3169, 0.3763



51.4708, 0.3074, 0.2841

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.



64.7771, 0.3360, 0.3031



64.7771, 0.3169, 0.3763



64.7771, 0.2796, 0.2806

Square

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



64.7771, 0.3169, 0.3763



64.7771, 0.2579, 0.3036



64.7771, 0.3063, 0.2869



64.7771, 0.3709, 0.3501

Rectangle

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



64.7771, 0.3169, 0.3763



64.7771, 0.2732, 0.3390



64.7771, 0.3063, 0.2869



64.7771, 0.3532, 0.3178

Sweetspot

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



64.7799, 0.3169, 0.3763



97.3908, 0.3140, 0.3415



64.4066, 0.3411, 0.3632



20.7697, 0.3141, 0.3433



0.0000, 0.0000, 0.0000



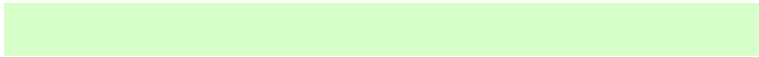
21.4041, 0.3127, 0.3290

Same Dimension

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



64.7799, 0.3169, 0.3763



90.0179, 0.3176, 0.3863



64.1090, 0.3038, 0.3640



14.7499, 0.3150, 0.3529



30.4889, 0.3090, 0.5929



2.0143, 0.3203, 0.5838

Inverse Universe

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



51.4708, 0.3074, 0.2841



68.2035, 0.3062, 0.2752



52.2931, 0.3230, 0.2964



13.1162, 0.3101, 0.3057



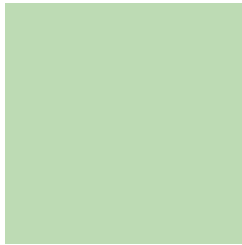
8.0640, 0.2636, 0.1226



0.5600, 0.2734, 0.1280

Previews

White Background



This preview shows how the Yxy color 64.7771, 0.3169, 0.3763 looks on a white background.

Color Contrast Check

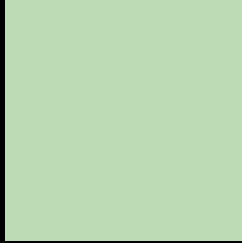
Large Text (above 18pt) WCAG AA × Fail

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 64.7771, 0.3169, 0.3763 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

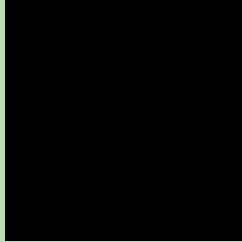
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

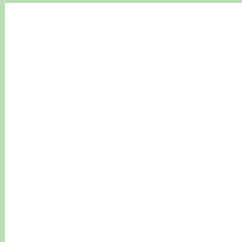
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 64.7771, 0.3169, 0.3763

Background



This preview shows how black text looks on a background with the Yxy color 64.7771, 0.3169, 0.3763.

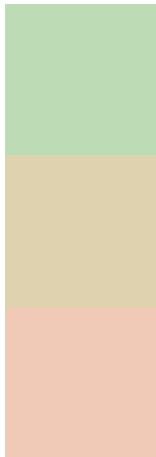


This preview shows how white text looks on a background with the Yxy color 64.7771, 0.3169, 0.3763.

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

64.7771, 0.3169, 0.3763

Protanopia

64.7179, 0.3471, 0.3688

Deuteranopia

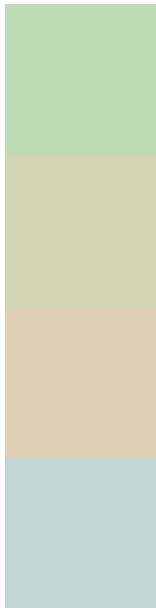
64.1852, 0.3575, 0.3497



Tritanopia

64.6144, 0.2909, 0.3096

Trichromacy



Original Color

64.7771, 0.3169, 0.3763

Protanomaly

64.4645, 0.3356, 0.3710

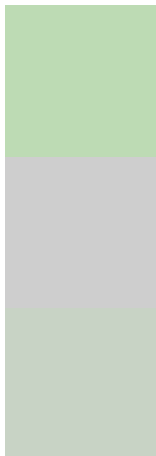
Deuteranomaly

63.8613, 0.3416, 0.3587

Tritanomaly

64.7734, 0.3003, 0.3336

Monochromacy



Original Color

64.7771, 0.3169, 0.3763

Achromatopsia

61.7207, 0.3127, 0.3290

Achromatomaly

62.8991, 0.3142, 0.3455

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.7771, 0.3169, 0.3763 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(189, 219, 180)` looks like.

```
.text, #text, p{  
    color:rgb(189, 219, 180)  
}
```

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(189, 219, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 219, 180) }
```

Border

The CSS property to change the border of an element to Yxy 64.7771, 0.3169, 0.3763 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(189, 219, 180) }
```

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

```
.border{ border-color:rgb(189, 219, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 219, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 219, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 219, 180);  
box-shadow:4px 4px 4px 4px rgb(189, 219,  
180) }
```


Background

The CSS property to change the background color of an element to Yxy 64.7771, 0.3169, 0.3763 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 219, 180) }
```

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

```
.background{ background-color: rgb(189,  
219, 180) }
```

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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