

Converting Colors

Yxy(48.0647, 0.3111, 0.3683)

Have a look what the booklet for
Yxy(48.0647, 0.3111, 0.3683)
contains.

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Color

Yxy(48.1301, 0.3108, 0.3688)

Conversions

Conversions Part 1

Format	Color
Hex	A3C0A3
RGB	163, 192, 163
RGB Percent	64%, 75%, 64%
CMY	0.3609, 0.2470, 0.3607
CMYK	0.15, 0.00, 0.15, 0.25
HSL	120°, 19%, 70%
HSV	120°, 15%, 75%
XYZ	40.5608, 48.1301, 41.8137
YIQ	180.0230, -7.9750, -15.1670

Conversions

Conversions Part 2

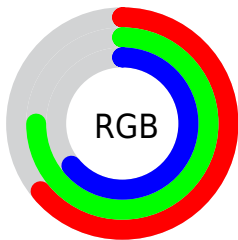
Format	Color
R _{YB}	163, 192, 192
Decimal	10731683
CIE Lab	74.91, -15.40, 11.36
CIE LCh	75, 19.141, 143.582
Yxy	48.1301, 0.3108, 0.3688
Android (android.graphics.Color)	4288921763 (0xFFA3C0A3)
YUV	180.0230, -8.3923, -14.9292
Hunter-Lab	69.3759, -17.0471, 12.8283

Details

The Yxy color **48.1301, 0.3108, 0.3688** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **41.1932, 0.3145, 0.2922**, and the grayscale version is **45.7024, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.1022, 0.3112, 0.3608**, and **22.7042, 0.3103, 0.3805** is the 20% darker color. If you saturate the color by 10%, you get **45.6216, 0.3093, 0.3994**, and if you desaturate by 10%, it is **51.0545, 0.3121, 0.3416**.

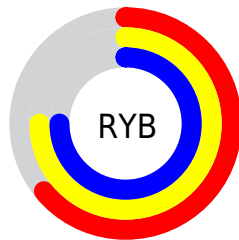
Distribution



Red (64%)

Green (75%)

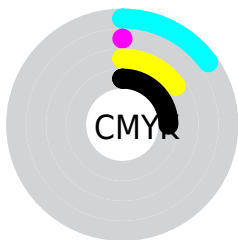
Blue (64%)



Red (64%)

Yellow (75%)

Blue (75%)

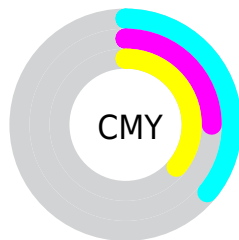


Cyan (15%)

Magenta (0%)

Yellow (15%)

Black (25%)



Cyan (36%)


Magenta (25%)


Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.1301, 0.3108, 0.3688 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 48.1301, 0.3108, 0.3688 by changing the saturation by 10% instead.


 48.1301, 0.3108,
0.3688

 48.1301, 0.3108,
0.3688

379.3076, 0.3120,
0.3485

 33.9299, 0.3104,
0.3740


 87.3981, 0.3113,
0.3613

 22.8398, 0.3099,
0.3807

 113.2347, 0.3115,
0.3586

 14.4752, 0.3091,
0.3899


143.7189, 0.3116,
0.3562

 8.4519, 0.3078,
0.4028

179.2350, 0.3117,
0.3542

 4.3855, 0.3055,
0.4228

220.1676, 0.3118,
0.3525

 1.8914, 0.3005,
0.4571

266.9010, 0.3119,

 0.5432, 0.2053,

0.3510

0.7947

319.8195, 0.3119,
0.3497

0.0000, 0.0000,
0.0000

48.1301, 0.3108,
0.3688

48.1301, 0.3108,
0.3688

45.6216, 0.3093,
0.3994

51.0545, 0.3121,
0.3416

43.5043, 0.3077,
0.4329

54.4059, 0.3133,
0.3178

41.7604, 0.3061,
0.4682

58.2028, 0.3143,
0.2973

40.3682, 0.3044,
0.5036

62.4606, 0.3151,
0.2796

39.3039, 0.3029,
0.5366

66.1841, 0.3156,
0.2673

■ 38.5405, 0.3016,
0.5644

■ 38.0471, 0.3006,
0.5846

■ 37.7859, 0.3001,
0.5962

■ 37.7050, 0.3000,
0.5999

Harmonies

Analogous

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



48.1301, 0.3370, 0.3762



48.1301, 0.3108, 0.3688



48.1301, 0.2859, 0.3492

Triad

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



48.1301, 0.3108, 0.3688



48.1301, 0.2694, 0.2882



48.1301, 0.3588, 0.3310

Complementary

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



48.1301, 0.3108, 0.3688



41.1932, 0.3145, 0.2922

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.



48.1301, 0.3393, 0.3096



48.1301, 0.3108, 0.3688



48.1301, 0.2875, 0.2854

Square

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



48.1301, 0.3108, 0.3688



48.1301, 0.2627, 0.3019



48.1301, 0.3129, 0.2932



48.1301, 0.3654, 0.3529

Rectangle

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



48.1301, 0.3108, 0.3688



48.1301, 0.2732, 0.3326



48.1301, 0.3129, 0.2932



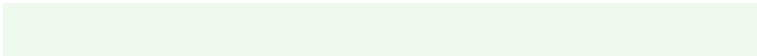
48.1301, 0.3535, 0.3236

Sweetspot

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



48.1322, 0.3108, 0.3688



92.5231, 0.3121, 0.3415



51.5551, 0.3351, 0.3660



19.7633, 0.3120, 0.3433



97.7402, 0.3127, 0.3290



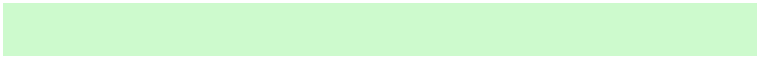
20.4902, 0.3127, 0.3290

Same Dimension

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



48.1322, 0.3108, 0.3688



85.6849, 0.3104, 0.3781



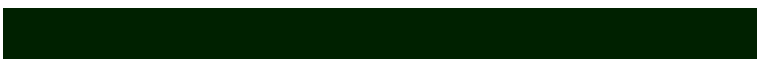
48.6807, 0.3003, 0.3486



11.2592, 0.3116, 0.3527



25.3683, 0.3000, 0.5998



1.0962, 0.2998, 0.5993

Inverse Universe

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



41.1932, 0.3145, 0.2922



70.8189, 0.3149, 0.2843



40.5834, 0.3273, 0.3102



10.2472, 0.3138, 0.3064



10.0898, 0.3214, 0.1544



0.4361, 0.3213, 0.1544

Previews

White Background



This preview shows how the Yxy color 48.1301, 0.3108, 0.3688 looks on a white background.

Color Contrast Check

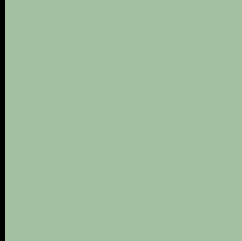
Large Text (above 18pt) WCAG AA × Fail

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 48.1301, 0.3108, 0.3688 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

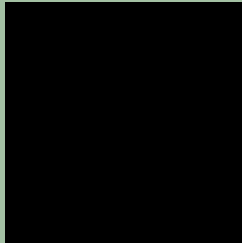
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.1301, 0.3108, 0.3688

Background



This preview shows how black text looks on a background with the Yxy color 48.1301, 0.3108, 0.3688.



This preview shows how white text looks on a background with the Yxy color 48.1301, 0.3108, 0.3688.

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

48.1301, 0.3108, 0.3688

Protanopia

47.7076, 0.3410, 0.3600

Deuteranopia

47.6074, 0.3499, 0.3427



Tritanopia

48.1927, 0.2881, 0.3108

Trichromacy



Original Color

48.1301, 0.3108, 0.3688

Protanomaly

47.6010, 0.3298, 0.3635

Deuteranomaly

47.3790, 0.3353, 0.3510

Tritanomaly

48.1985, 0.2966, 0.3316

Monochromacy



Original Color

48.1301, 0.3108, 0.3688

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

46.3356, 0.3121, 0.3424

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.1301, 0.3108, 0.3688 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(163, 192, 163)` looks like.

```
.text, #text, p{  
    color:rgb(163, 192, 163)  
}
```

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(163, 192, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 192, 163) }
```

Border

The CSS property to change the border of an element to Yxy 48.1301, 0.3108, 0.3688 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(163, 192, 163) }
```

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

```
.border{ border-color:rgb(163, 192, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 192, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 192, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 192, 163);  
box-shadow:4px 4px 4px 4px rgb(163, 192,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 48.1301, 0.3108, 0.3688 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 192, 163) }
```

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

```
.background{ background-color: rgb(163,  
192, 163) }
```

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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