

Converting Colors

$Yxy(48.0680, 0.3000, 0.3358)$

Have a look what the booklet for
Yxy(48.0680, 0.3000, 0.3358)
contains.

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Color

Yxy(48.1807, 0.2995, 0.3356)

Conversions

Conversions Part 1

Format	Color
Hex	A8BDB8
RGB	168, 189, 184
RGB Percent	66%, 74%, 72%
CMY	0.3412, 0.2588, 0.2784
CMYK	0.11, 0.00, 0.03, 0.26
HSL	166°, 14%, 70%
HSV	166°, 11%, 74%
XYZ	42.9980, 48.1807, 52.3872
YIQ	182.1510, -10.9110, -6.0070

Conversions

Conversions Part 2

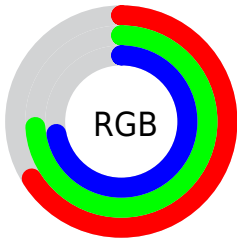
Format	Color
RYB	168, 180, 189
Decimal	11058616
CIELab	74.94, -8.15, 0.07
CIELCh	75, 8.147, 179.485
Yxy	48.1807, 0.2995, 0.3356
Android (android.graphics.Color)	4289248696 (0xFFA8BDB8)
YUV	182.1510, 0.9116, -12.4104
Hunter-Lab	69.4123, -10.8984, 3.8410

Details

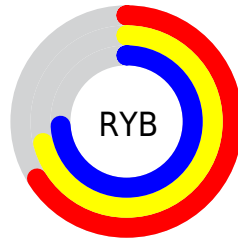
The Yxy color **48.1807, 0.2995, 0.3356** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **41.8401, 0.3278, 0.3225**, and the grayscale version is **46.8660, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.2841, 0.3017, 0.3341**, and **22.9600, 0.2960, 0.3381** is the 20% darker color. If you saturate the color by 10%, you get **46.0715, 0.2882, 0.3422**, and if you desaturate by 10%, it is **50.6015, 0.3114, 0.3296**.

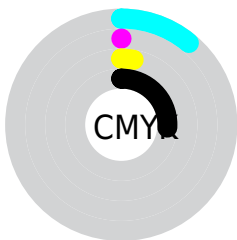
Distribution



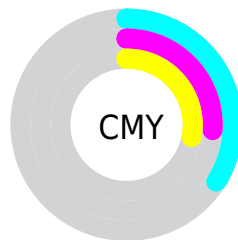
- Red (66%)
- Green (74%)
- Blue (72%)



- Red (66%)
- Yellow (71%)
- Blue (74%)



- Cyan (11%)
- Magenta (0%)
- Yellow (3%)
- Black (26%)



- Cyan (34%)
- Magenta (26%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.1807, 0.2995, 0.3356 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 48.1807, 0.2995, 0.3356 by changing the saturation by 10% instead.

■ 48.1807, 0.2995,
0.3356

■ 48.1807, 0.2995,
0.3356

■ 379.5079, 0.3061,
0.3323

■ 33.9700, 0.2979,
0.3364

■ 87.4734, 0.3019,
0.3344

■ 22.8706, 0.2958,
0.3375

■ 113.3242, 0.3028,
0.3340

■ 14.4980, 0.2930,
0.3388

■ 143.8238, 0.3035,
0.3336

■ 8.4678, 0.2891,
0.3408

■ 179.3566, 0.3042,
0.3333

■ 4.3957, 0.2834,
0.3436

■ 220.3070, 0.3048,
0.3330

■ 1.8973, 0.2740,
0.3483

■ 267.0595, 0.3052,

■ 0.5468, 0.2201,

0.3327

0.3751

319.9983, 0.3057,
0.3325

0.0000, 0.0000,
0.0000

48.1807, 0.2995,
0.3356

48.1807, 0.2995,
0.3356

46.0715, 0.2882,
0.3422

50.6015, 0.3114,
0.3296

44.2547, 0.2776,
0.3493

53.3399, 0.3235,
0.3243

42.7185, 0.2682,
0.3570

56.4096, 0.3358,
0.3195

41.4477, 0.2602,
0.3651

59.8215, 0.3479,
0.3152

40.4258, 0.2538,
0.3735

62.1360, 0.3537,
0.3111

■ 39.6344, 0.2492,
0.3822

■ 62.3581, 0.3499,
0.3065

■ 39.0525, 0.2466,
0.3910

■ 62.5864, 0.3463,
0.3020

■ 38.6551, 0.2459,
0.3998

■ 62.8212, 0.3426,
0.2975

■ 38.4135, 0.2465,
0.4075

■ 63.0623, 0.3390,
0.2931

Harmonies

Analogous

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



48.1807, 0.3099, 0.3442



48.1807, 0.2995, 0.3356



48.1807, 0.2927, 0.3253

Triad

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



48.1807, 0.2995, 0.3356



48.1807, 0.3040, 0.3102



48.1807, 0.3348, 0.3413

Complementary

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



48.1807, 0.2995, 0.3356



41.8401, 0.3278, 0.3225

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.



48.1807, 0.3332, 0.3322



48.1807, 0.2995, 0.3356



48.1807, 0.3153, 0.3145

Square

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



48.1807, 0.2995, 0.3356



48.1807, 0.2952, 0.3108



48.1807, 0.3260, 0.3224



48.1807, 0.3303, 0.3474

Rectangle

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



48.1807, 0.2995, 0.3356



48.1807, 0.2910, 0.3189



48.1807, 0.3260, 0.3224



48.1807, 0.3349, 0.3385

Sweetspot

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



48.1827, 0.2995, 0.3356



89.7414, 0.3090, 0.3307



48.1367, 0.3157, 0.3571



19.2207, 0.3081, 0.3312



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



48.1827, 0.2995, 0.3356



85.4548, 0.2971, 0.3369



46.1770, 0.2958, 0.3220



10.7697, 0.3016, 0.3345



25.8569, 0.2462, 0.4064



1.0224, 0.2404, 0.3856

Inverse Universe

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



41.8401, 0.3278, 0.3225



72.1488, 0.3311, 0.3212



43.6290, 0.3315, 0.3359



9.5725, 0.3252, 0.3236



7.4164, 0.5941, 0.3046



0.3011, 0.5249, 0.2665

Previews

White Background



This preview shows how the Yxy color 48.1807, 0.2995, 0.3356 looks on a white background.

Color Contrast Check

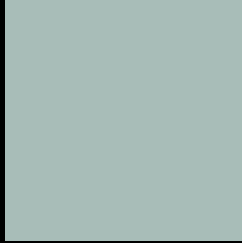
Large Text (above 18pt) WCAG AA × Fail

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 48.1807, 0.2995, 0.3356 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

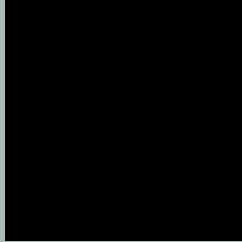
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

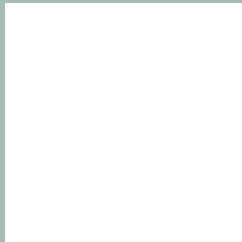
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.1807, 0.2995, 0.3356

Background



This preview shows how black text looks on a background with the Yxy color 48.1807, 0.2995, 0.3356.



This preview shows how white text looks on a background with the Yxy color 48.1807, 0.2995, 0.3356.

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

48.1807, 0.2995, 0.3356

Protanopia

47.8945, 0.3186, 0.3316

Deuteranopia

47.8035, 0.3263, 0.3192



Tritanopia

47.9928, 0.2896, 0.3095

Trichromacy



Original Color

48.1807, 0.2995, 0.3356

Protanomaly

47.8991, 0.3117, 0.3329

Deuteranomaly

47.7775, 0.3163, 0.3252

Tritanomaly

48.0268, 0.2931, 0.3185

Monochromacy



Original Color

48.1807, 0.2995, 0.3356

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

47.4639, 0.3076, 0.3316

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.1807, 0.2995, 0.3356 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(168, 189, 184)` looks like.

```
.text, #text, p{  
    color:rgb(168, 189, 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(168, 189, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 189, 184) }
```

Border

The CSS property to change the border of an element to Yxy 48.1807, 0.2995, 0.3356 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(168, 189, 184) }
```

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

```
.border{ border-color:rgb(168, 189, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 189, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(168, 189, 184); -webkit-box-shadow:4px 4px 4px 4px rgb(168, 189, 184); box-shadow:4px 4px 4px 4px rgb(168, 189, 184) }
```


Background

The CSS property to change the background color of an element to Yxy 48.1807, 0.2995, 0.3356 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 189, 184) }
```

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

```
.background{ background-color: rgb(168,  
189, 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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