

Converting Colors

$Yxy(47.1407, 0.2961, 0.3204)$

Have a look what the booklet for
Yxy(47.1407, 0.2961, 0.3204)
contains.

Yxy(47.1616, 0.2960, 0.3198)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(47.1616, 0.2960, 0.3198)

Conversions

Conversions Part 1

Format	Color
Hex	ABB9C0
RGB	171, 185, 192
RGB Percent	67%, 73%, 75%
CMY	0.3295, 0.2745, 0.2471
CMYK	0.11, 0.04, 0.00, 0.25
HSL	200°, 14%, 71%
HSV	200°, 11%, 75%
XYZ	43.6518, 47.1616, 56.6588
YIQ	181.6120, -10.5910, -0.7910

Conversions

Conversions Part 2

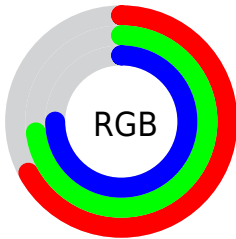
Format	Color
R_{YB}	171, 179, 192
Decimal	11254208
CIE Lab	74.29, -3.43, -5.19
CIE LCh	74, 6.219, 236.553
Yxy	47.1616, 0.2960, 0.3198
Android (android.graphics.Color)	4289444288 (0xFFABB9C0)
YUV	181.6120, 5.1213, -9.3067
Hunter-Lab	68.6743, -6.7193, -0.8444

Details

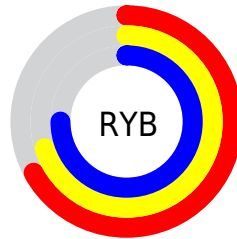
The Yxy color $47.1616, 0.2960, 0.3198$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $45.9605, 0.3309, 0.3380$, and the grayscale version is $46.5315, 0.3127, 0.3290$.

A 20% lighter version of the original color is $85.8567, 0.2990, 0.3218$, and $22.2885, 0.2912, 0.3164$ is the 20% darker color. If you saturate the color by 10%, you get $42.5575, 0.2806, 0.3105$, and if you desaturate by 10%, it is $52.2020, 0.3113, 0.3283$.

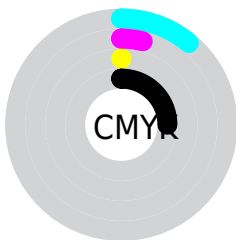
Distribution



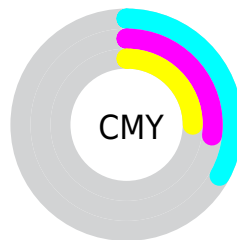
- Red (67%)
- Green (73%)
- Blue (75%)



- Red (67%)
- Yellow (70%)
- Blue (75%)



- Cyan (11%)
- Magenta (4%)
- Yellow (0%)
- Black (25%)



- Cyan (33%)
- Magenta (27%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.1616, 0.2960, 0.3198 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 47.1616, 0.2960, 0.3198 by changing the saturation by 10% instead.

■ 47.1616, 0.2960,
0.3198

■ 47.1616, 0.2960,
0.3198

375.4592, 0.3043,
0.3244

■ 33.1634, 0.2939,
0.3186

■ 85.9548, 0.2990,
0.3215

■ 22.2517, 0.2913,
0.3171

111.5186, 0.3001,
0.3221

■ 14.0419, 0.2878,
0.3151

141.7064, 0.3011,
0.3227

■ 8.1498, 0.2829,
0.3123

176.9026, 0.3019,
0.3231

■ 4.1910, 0.2757,
0.3080

217.4916, 0.3026,
0.3235

■ 1.7810, 0.2640,
0.3008

263.8577, 0.3033,

■ 0.4753, 0.2135,

0.3239

0.2757

316.3855, 0.3038,
0.3242

0.0000, 0.0000,
0.0000

47.1616, 0.2960,
0.3198

47.1616, 0.2960,
0.3198

42.5575, 0.2806,
0.3105

52.2020, 0.3113,
0.3283

38.3689, 0.2655,
0.3003

57.6871, 0.3263,
0.3358

34.5817, 0.2509,
0.2893

63.6321, 0.3408,
0.3426

31.1787, 0.2372,
0.2777

70.0498, 0.3548,
0.3485

28.1413, 0.2248,
0.2655

74.6121, 0.3589,
0.3546

■ 25.4486, 0.2140,
0.2529

■ 77.9550, 0.3574,
0.3609

■ 23.0772, 0.2051,
0.2403

■ 81.4259, 0.3559,
0.3672

■ 20.9996, 0.1983,
0.2277

■ 85.0261, 0.3544,
0.3733

■ 19.3244, 0.1935,
0.2165

■ 88.7570, 0.3530,
0.3793

Harmonies

Analogous

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



47.1616, 0.2976, 0.3270



47.1616, 0.2960, 0.3198



47.1616, 0.2988, 0.3153

Triad

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



47.1616, 0.2960, 0.3198



47.1616, 0.3222, 0.3233



47.1616, 0.3201, 0.3441

Complementary

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



47.1616, 0.2960, 0.3198



45.9605, 0.3309, 0.3380

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.



47.1616, 0.3268, 0.3428



47.1616, 0.2960, 0.3198



47.1616, 0.3281, 0.3308

Square

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



47.1616, 0.2960, 0.3198



47.1616, 0.3138, 0.3173



47.1616, 0.3297, 0.3379



47.1616, 0.3114, 0.3411

Rectangle

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



47.1616, 0.2960, 0.3198



47.1616, 0.3028, 0.3142



47.1616, 0.3297, 0.3379



47.1616, 0.3226, 0.3441

Sweetspot

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



47.1636, 0.2960, 0.3198



92.6193, 0.3081, 0.3265



49.5447, 0.3065, 0.3480



19.7076, 0.3068, 0.3259



97.7402, 0.3127, 0.3290



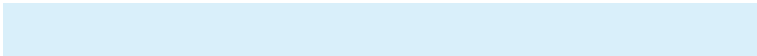
20.4902, 0.3127, 0.3290

Same Dimension

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



47.1636, 0.2960, 0.3198



83.5177, 0.2925, 0.3178



43.0523, 0.2958, 0.3062



10.8473, 0.2984, 0.3212



13.1539, 0.1939, 0.2180



0.6904, 0.2016, 0.2457

Inverse Universe

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



43.8236, 0.3198, 0.3111



76.3839, 0.3215, 0.3073



50.1645, 0.3294, 0.3509



10.1889, 0.3187, 0.3137



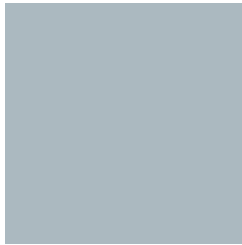
8.6101, 0.4254, 0.2117



0.3843, 0.3965, 0.1958

Previews

White Background



This preview shows how the Yxy color 47.1616, 0.2960, 0.3198 looks on a white background.

Color Contrast Check

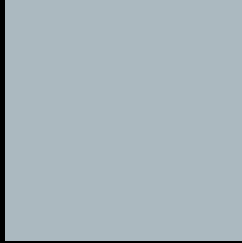
Large Text (above 18pt) WCAG AA × Fail

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 47.1616, 0.2960, 0.3198 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

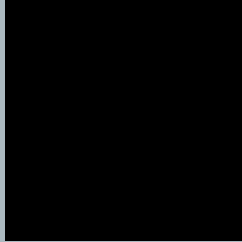
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

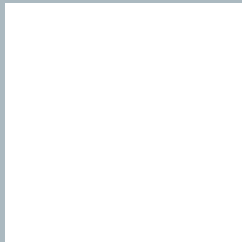
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.1616, 0.2960, 0.3198

Background



This preview shows how black text looks on a background with the Yxy color 47.1616, 0.2960, 0.3198.



This preview shows how white text looks on a background with the Yxy color 47.1616, 0.2960, 0.3198.

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

47.1616, 0.2960, 0.3198

Protanopia

46.9558, 0.3082, 0.3174

Deuteranopia

46.9414, 0.3146, 0.3079



Tritanopia

47.1752, 0.2917, 0.3095

Trichromacy



Original Color

47.1616, 0.2960, 0.3198

Protanomaly

46.8012, 0.3032, 0.3173

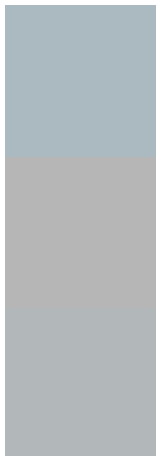
Deuteranomaly

46.9319, 0.3076, 0.3125

Tritanomaly

47.0372, 0.2939, 0.3133

Monochromacy



Original Color

47.1616, 0.2960, 0.3198

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

46.8771, 0.3062, 0.3251

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.1616, 0.2960, 0.3198 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(171, 185, 192)` looks like.

```
.text, #text, p{  
    color:rgb(171, 185, 192)  
}
```

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(171, 185, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 185, 192) }
```

Border

The CSS property to change the border of an element to Yxy 47.1616, 0.2960, 0.3198 is called "border". The border property can be set on classes, ids or directly on the HTML element.

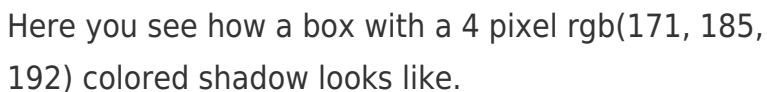
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(171, 185, 192) }
```

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

```
.border{ border-color:rgb(171, 185, 192) }
```

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



Here you see how a box with a 4 pixel `rgb(171, 185, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 185, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 185, 192);  
box-shadow:4px 4px 4px 4px rgb(171, 185,  
192) }
```


Background

The CSS property to change the background color of an element to Yxy 47.1616, 0.2960, 0.3198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 185, 192) }
```

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

```
.background{ background-color: rgb(171,  
185, 192) }
```

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