

Converting Colors

$Y_{xy}(47.8229, 0.2948, 0.3384)$

Have a look what the booklet for
Yxy(47.8229, 0.2948, 0.3384)
contains.

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Color

Yxy(47.8229, 0.2948, 0.3384)

Conversions

Conversions Part 1

Format	Color
Hex	A1BEB7
RGB	161, 190, 183
RGB Percent	63%, 75%, 72%
CMY	0.3686, 0.2549, 0.2823
CMYK	0.15, 0.00, 0.04, 0.25
HSL	166°, 18%, 69%
HSV	166°, 15%, 75%
XYZ	41.6613, 47.8229, 51.8364
YIQ	180.5310, -15.0370, -8.3250

Conversions

Conversions Part 2

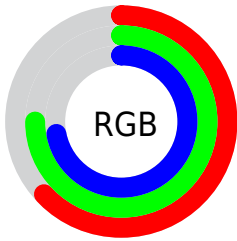
Format	Color
RYB	161, 177, 190
Decimal	10600119
CIELab	74.71, -11.19, 0.24
CIELCh	75, 11.196, 178.796
Yxy	47.8229, 0.2948, 0.3384
Android (android.graphics.Color)	4288790199 (0xFFA1BEB7)
YUV	180.5310, 1.2172, -17.1287
Hunter-Lab	69.1541, -13.4838, 3.9654

Details

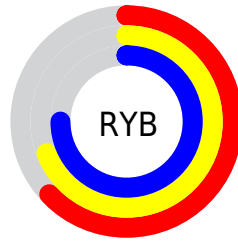
The Yxy color $47.8229, 0.2948, 0.3384$ is a light color, and the websafe version is hex `99CCCC`. A complement of this color would be $39.2707, 0.3343, 0.3198$, and the grayscale version is $45.9442, 0.3127, 0.3290$.

A 20% lighter version of the original color is $86.7425, 0.2979, 0.3363$, and $22.7542, 0.2898, 0.3420$ is the 20% darker color. If you saturate the color by 10%, you get $45.8104, 0.2838, 0.3453$, and if you desaturate by 10%, it is $50.1455, 0.3064, 0.3321$.

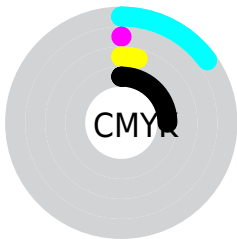
Distribution



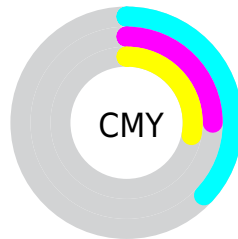
- Red (63%)
- Green (75%)
- Blue (72%)



- Red (63%)
- Yellow (69%)
- Blue (75%)



- Cyan (15%)
- Magenta (0%)
- Yellow (4%)
- Black (25%)





- Cyan (37%)
- Magenta (25%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.8229, 0.2948, 0.3384 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 47.8229, 0.2948, 0.3384 by changing the saturation by 10% instead.

 47.8229, 0.2948,
0.3384


 47.8229, 0.2948,
0.3384


378.0897, 0.3037,
0.3337

 33.6867, 0.2926,
0.3396


 86.9407, 0.2980,
0.3367

 22.6530, 0.2897,
0.3411


 112.6910, 0.2992,
0.3361

 14.3375, 0.2860,
0.3430


143.0814, 0.3003,
0.3355

 8.3558, 0.2807,
0.3458

178.4964, 0.3012,
0.3351

 4.3234, 0.2729,
0.3499

219.3204, 0.3019,
0.3347

 1.8561, 0.2601,
0.3567

265.9376, 0.3026,

 0.5218, 0.1718,

0.3343

0.4026

318.7326, 0.3032,
0.3340

0.0000, 0.0000,
0.0000

47.8229, 0.2948,
0.3384

47.8229, 0.2948,
0.3384

45.8104, 0.2838,
0.3453

50.1455, 0.3064,
0.3321

44.0886, 0.2737,
0.3528

52.7850, 0.3185,
0.3264

42.6449, 0.2649,
0.3608

55.7554, 0.3306,
0.3213

41.4633, 0.2575,
0.3692

59.0680, 0.3428,
0.3167

40.5264, 0.2519,
0.3779

62.5400, 0.3539,
0.3127

■ 39.8147, 0.2482,
0.3868

■ 62.7660, 0.3501,
0.3080

■ 39.3052, 0.2464,
0.3958

■ 62.9987, 0.3464,
0.3034

■ 38.9703, 0.2465,
0.4047

■ 63.2380, 0.3427,
0.2988

■ 38.8448, 0.2469,
0.4089

■ 63.4839, 0.3390,
0.2943

Harmonies

Analogous

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



47.8229, 0.3091, 0.3503



47.8229, 0.2948, 0.3384



47.8229, 0.2854, 0.3240

Triad

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



47.8229, 0.2948, 0.3384



47.8229, 0.3004, 0.3033



47.8229, 0.3432, 0.3455

Complementary

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



47.8229, 0.2948, 0.3384



39.2707, 0.3343, 0.3198

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.



47.8229, 0.3408, 0.3329



47.8229, 0.2948, 0.3384



47.8229, 0.3158, 0.3090

Square

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



47.8229, 0.2948, 0.3384



47.8229, 0.2885, 0.3041



47.8229, 0.3307, 0.3197



47.8229, 0.3372, 0.3542

Rectangle

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



47.8229, 0.2948, 0.3384



47.8229, 0.2830, 0.3152



47.8229, 0.3307, 0.3197



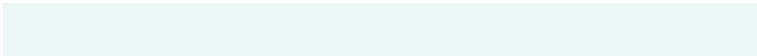
47.8229, 0.3434, 0.3416

Sweetspot

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



47.8249, 0.2948, 0.3384



90.9488, 0.3066, 0.3320



47.7545, 0.3168, 0.3685



19.9015, 0.3058, 0.3324



97.7402, 0.3127, 0.3290



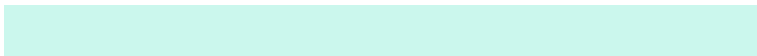
20.4902, 0.3127, 0.3290

Same Dimension

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



47.8249, 0.2948, 0.3384



85.4993, 0.2914, 0.3404



45.0624, 0.2895, 0.3191



10.7691, 0.3016, 0.3346



25.8424, 0.2466, 0.4077



1.0219, 0.2407, 0.3865

Inverse Universe

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



39.2707, 0.3343, 0.3198



67.3013, 0.3395, 0.3179



41.6236, 0.3395, 0.3387



9.5731, 0.3251, 0.3235



7.4202, 0.5929, 0.3040



0.3013, 0.5235, 0.2657

Previews

White Background



This preview shows how the Yxy color 47.8229, 0.2948, 0.3384 looks on a white background.

Color Contrast Check

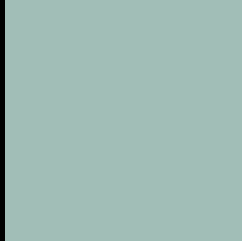
Large Text (above 18pt) WCAG AA × Fail

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 47.8229, 0.2948, 0.3384 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

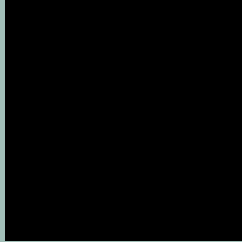
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

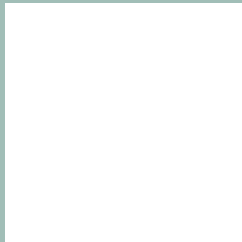
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.8229, 0.2948, 0.3384

Background



This preview shows how black text looks on a background with the Yxy color 47.8229, 0.2948, 0.3384.

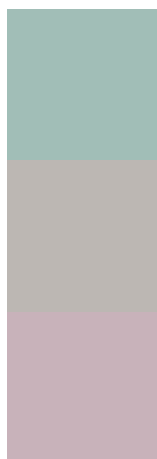


This preview shows how white text looks on a background with the Yxy color 47.8229, 0.2948, 0.3384.

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

47.8229, 0.2948, 0.3384

Protanopia

47.8130, 0.3202, 0.3342

Deuteranopia

47.6653, 0.3254, 0.3191



Tritanopia

47.6974, 0.2836, 0.3093

Trichromacy



Original Color

47.8229, 0.2948, 0.3384

Protanomaly

47.8781, 0.3107, 0.3369

Deuteranomaly

47.3978, 0.3137, 0.3252

Tritanomaly

47.6931, 0.2878, 0.3197

Monochromacy



Original Color

47.8229, 0.2948, 0.3384

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

46.6570, 0.3059, 0.3316

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.8229, 0.2948, 0.3384 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(161, 190, 183)` looks like.

```
.text, #text, p{  
    color:rgb(161, 190, 183)  
}
```

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(161, 190, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 190, 183) }
```

Border

The CSS property to change the border of an element to Yxy 47.8229, 0.2948, 0.3384 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(161, 190, 183) }
```

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

```
.border{ border-color:rgb(161, 190, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 190, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 190, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 190, 183);  
box-shadow:4px 4px 4px 4px rgb(161, 190,  
183) }
```


Background

The CSS property to change the background color of an element to Yxy 47.8229, 0.2948, 0.3384 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 190, 183) }
```

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

```
.background{ background-color: rgb(161,  
190, 183) }
```

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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