

Converting Colors

$Y_{xy}(41.6267, 0.2671, 0.3120)$

Have a look what the booklet for
Yxy(41.6267, 0.2671, 0.3120)
contains.

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Color

Yxy(41.4348, 0.2671, 0.3117)

Conversions

Conversions Part 1

Format	Color
Hex	85B4C0
RGB	133, 180, 192
RGB Percent	52%, 71%, 75%
CMY	0.4785, 0.2941, 0.2471
CMYK	0.31, 0.06, 0.00, 0.25
HSL	192°, 32%, 64%
HSV	192°, 31%, 75%
XYZ	35.5060, 41.4348, 55.9908
YIQ	167.3150, -31.8640, -6.2320

Conversions

Conversions Part 2

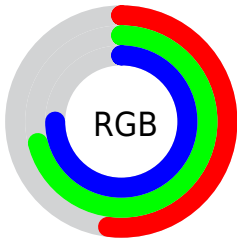
Format	Color
RYB	133, 159, 192
Decimal	8762560
CIELab	70.48, -12.66, -11.13
CIElCh	70, 16.853, 221.329
Yxy	41.4348, 0.2671, 0.3117
Android (android.graphics.Color)	4286952640 (0xFF85B4C0)
YUV	167.3150, 12.1697, -30.0943
Hunter-Lab	64.3699, -14.1877, -6.5133

Details

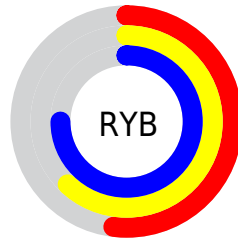
The Yxy color **41.4348, 0.2671, 0.3117** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **33.1414, 0.3763, 0.3455**, and the grayscale version is **38.7556, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.4596, 0.2759, 0.3157**, and **18.7922, 0.2537, 0.3048** is the 20% darker color. If you saturate the color by 10%, you get **38.4615, 0.2537, 0.3052**, and if you desaturate by 10%, it is **44.7414, 0.2814, 0.3178**.

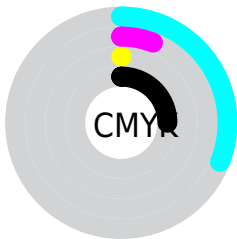
Distribution



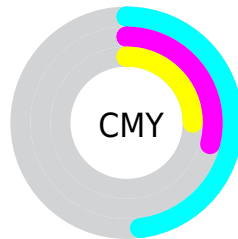
- Red (52%)
- Green (71%)
- Blue (75%)



- Red (52%)
- Yellow (62%)
- Blue (75%)



- Cyan (31%)
- Magenta (6%)
- Yellow (0%)
- Black (25%)



- Cyan (48%)
- Magenta (29%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.4348, 0.2671, 0.3117 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 41.4348, 0.2671, 0.3117 by changing the saturation by 10% instead.

■ 41.4348, 0.2671,
0.3117

■ 41.4348, 0.2671,
0.3117

■ 352.1346, 0.2900,
0.3209

■ 28.6590, 0.2614,
0.3093

■ 77.3435, 0.2754,
0.3151

■ 18.8230, 0.2540,
0.3060

■ 101.2452, 0.2786,
0.3164

■ 11.5425, 0.2442,
0.3015

■ 129.6242, 0.2812,
0.3175

■ 6.4329, 0.2305,
0.2950

■ 162.8651, 0.2835,
0.3184

■ 3.1101, 0.2103,
0.2846

■ 201.3522, 0.2854,
0.3191

■ 1.1895, 0.1774,
0.2658

■ 245.4699, 0.2871,

■ 0.0531, 0.0000,

0.3198

0.0597

295.6025, 0.2887,
0.3204

0.0000, 0.0000,
0.0000

41.4348, 0.2671,
0.3117

41.4348, 0.2671,
0.3117

38.4615, 0.2537,
0.3052

44.7414, 0.2814,
0.3178

35.8004, 0.2415,
0.2983

48.3909, 0.2964,
0.3235

33.4360, 0.2308,
0.2911

52.3990, 0.3116,
0.3286

31.3487, 0.2218,
0.2838

56.7784, 0.3269,
0.3333

29.5165, 0.2147,
0.2764

61.5415, 0.3420,
0.3375

■ 27.9134, 0.2096,
0.2690

■ 66.6999, 0.3567,
0.3412

■ 26.5858, 0.2062,
0.2622

■ 69.8401, 0.3612,
0.3449

■ 71.7569, 0.3603,
0.3489

■ 73.7209, 0.3593,
0.3528

Harmonies

Analogous

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



41.4348, 0.2772, 0.3342



41.4348, 0.2671, 0.3117



41.4348, 0.2686, 0.2952

Triad

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



41.4348, 0.2671, 0.3117



41.4348, 0.3277, 0.3040



41.4348, 0.3439, 0.3716

Complementary

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



41.4348, 0.2671, 0.3117



33.1414, 0.3763, 0.3455

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.



41.4348, 0.3586, 0.3613



41.4348, 0.2671, 0.3117



41.4348, 0.3492, 0.3225

Square

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



41.4348, 0.2671, 0.3117



41.4348, 0.3028, 0.2917



41.4348, 0.3606, 0.3432



41.4348, 0.3212, 0.3701

Rectangle

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



41.4348, 0.2671, 0.3117



41.4348, 0.2760, 0.2895



41.4348, 0.3606, 0.3432



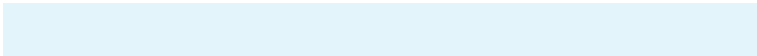
41.4348, 0.3500, 0.3694

Sweetspot

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



41.4365, 0.2671, 0.3117



88.7988, 0.2988, 0.3243



44.7196, 0.3004, 0.3997



18.8302, 0.2965, 0.3235



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.



41.4365, 0.2671, 0.3117



71.3259, 0.2578, 0.3073



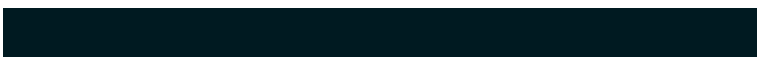
30.8243, 0.2621, 0.2675



11.0697, 0.2984, 0.3242



18.0037, 0.2064, 0.2632



0.8680, 0.2110, 0.2794

Inverse Universe

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



31.2728, 0.3283, 0.2677



50.3438, 0.3327, 0.2540



43.2835, 0.3649, 0.3837



10.2113, 0.3168, 0.3108



9.0997, 0.3794, 0.1863



0.4023, 0.3640, 0.1779

Previews

White Background



This preview shows how the Yxy color 41.4348, 0.2671, 0.3117 looks on a white background.

Color Contrast Check

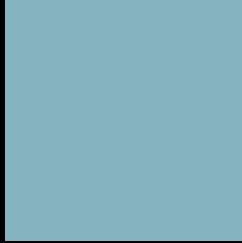
Large Text (above 18pt) WCAG AA × Fail

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 41.4348, 0.2671, 0.3117 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

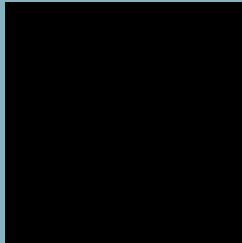
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.4348, 0.2671, 0.3117

Background



This preview shows how black text looks on a background with the Yxy color 41.4348, 0.2671, 0.3117.



This preview shows how white text looks on a background with the Yxy color 41.4348, 0.2671, 0.3117.

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

41.4348, 0.2671, 0.3117

Protanopia

41.3289, 0.3005, 0.3087

Deuteranopia

41.0425, 0.2993, 0.2923



Tritanopia

41.5241, 0.2658, 0.3089

Trichromacy



Original Color

41.4348, 0.2671, 0.3117

Protanomaly

41.0710, 0.2873, 0.3095

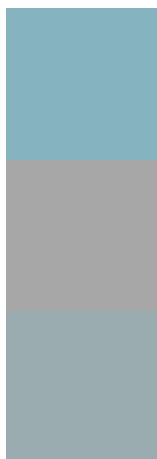
Deuteranomaly

41.0815, 0.2868, 0.2991

Tritanomaly

41.4793, 0.2665, 0.3103

Monochromacy



Original Color

41.4348, 0.2671, 0.3117

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

39.6082, 0.2947, 0.3232

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.4348, 0.2671, 0.3117 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(133, 180, 192)` looks like.

```
.text, #text, p{  
    color:rgb(133, 180, 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(133, 180, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 180, 192) }
```

Border

The CSS property to change the border of an element to Yxy 41.4348, 0.2671, 0.3117 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(133, 180, 192) }
```

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

```
.border{ border-color:rgb(133, 180, 192) }
```

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

Here you see how a box with a 4 pixel rgb(133, 180, 192) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 180, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 180, 192);  
box-shadow:4px 4px 4px 4px rgb(133, 180,  
192) }
```


Background

The CSS property to change the background color of an element to Yxy 41.4348, 0.2671, 0.3117 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 180, 192) }
```

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

```
.background{ background-color: rgb(133,  
180, 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](#).

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