

Converting Colors

$Y_{xy}(41.1766, 0.2859, 0.3661)$

Have a look what the booklet for
Yxy(41.1766, 0.2859, 0.3661)
contains.

Yxy(41.2962, 0.2857, 0.3670)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(41.2962, 0.2857, 0.3670)

Conversions

Conversions Part 1

Format	Color
Hex	7FB89F
RGB	127, 184, 159
RGB Percent	50%, 72%, 62%
CMY	0.5021, 0.2784, 0.3764
CMYK	0.31, 0.00, 0.14, 0.28
HSL	154°, 29%, 61%
HSV	154°, 31%, 72%
XYZ	32.1480, 41.2962, 39.0795
YIQ	164.1070, -25.9470, -19.8590

Conversions

Conversions Part 2

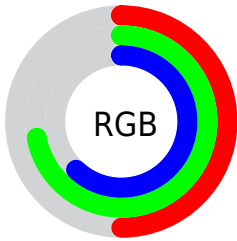
Format	Color
RYB	127, 164, 184
Decimal	8370335
CIELab	70.38, -23.97, 6.80
CIElCh	70, 24.916, 164.153
Yxy	41.2962, 0.2857, 0.3670
Android (android.graphics.Color)	4286560415 (0xFF7FB89F)
YUV	164.1070, -2.5178, -32.5428
Hunter-Lab	64.2621, -23.1616, 8.9277

Details

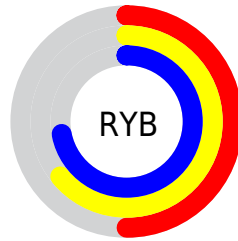
The Yxy color **41.2962, 0.2857, 0.3670** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **27.6294, 0.3515, 0.2941**, and the grayscale version is **37.1977, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.9990, 0.2906, 0.3589**, and **18.8112, 0.2765, 0.3790** is the 20% darker color. If you saturate the color by 10%, you get **39.7411, 0.2783, 0.3817**, and if you desaturate by 10%, it is **43.1310, 0.2939, 0.3535**.

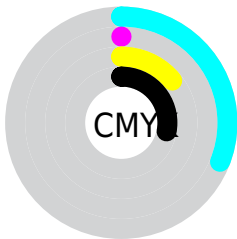
Distribution



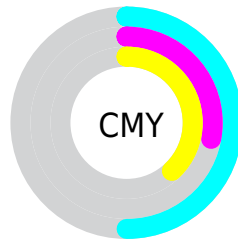
- Red (50%)
- Green (72%)
- Blue (62%)



- Red (50%)
- Yellow (64%)
- Blue (72%)



- Cyan (31%)
- Magenta (0%)
- Yellow (14%)
- Black (28%)





- Cyan (50%)
- Magenta (28%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.2962, 0.2857, 0.3670 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 41.2962, 0.2857, 0.3670 by changing the saturation by 10% instead.


 41.2962, 0.2857,
0.3670


 41.2962, 0.2857,
0.3670


351.5571, 0.2997,
0.3471

 28.5506, 0.2820,
0.3723


 77.1333, 0.2909,
0.3596

 18.7411, 0.2772,
0.3792


 100.9937, 0.2928,
0.3568

 11.4834, 0.2706,
0.3888


 129.3277, 0.2944,
0.3546

 6.3929, 0.2611,
0.4029

162.5198, 0.2958,
0.3526

 3.0855, 0.2460,
0.4256

200.9544, 0.2970,
0.3510

 1.1765, 0.2063,
0.4783

245.0159, 0.2980,

 0.0424, 0.0000,

0.3495

1.0000

295.0886, 0.2989,
0.3483

0.0000, 0.0000,
0.0000

41.2962, 0.2857,
0.3670

41.2962, 0.2857,
0.3670

39.7411, 0.2783,
0.3817

43.1310, 0.2939,
0.3535

38.4461, 0.2721,
0.3974

45.2537, 0.3027,
0.3411

37.3973, 0.2674,
0.4139


47.6785, 0.3118,
0.3300


36.5770, 0.2644,
0.4309


50.4170, 0.3210,
0.3201

35.9654, 0.2634,
0.4480


53.4803, 0.3301,
0.3114


 35.5388, 0.2643,
0.4647

 56.8790, 0.3390,
0.3037

 35.2707, 0.2665,
0.4794

 60.4751, 0.3471,
0.2968

 60.9013, 0.3404,
0.2889

 61.3482, 0.3339,
0.2810

Harmonies

Analogous

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



41.2962, 0.3210, 0.3898



41.2962, 0.2857, 0.3670



41.2962, 0.2586, 0.3328

Triad

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



41.2962, 0.2857, 0.3670



41.2962, 0.2692, 0.2697



41.2962, 0.3846, 0.3515

Complementary

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



41.2962, 0.2857, 0.3670



27.6294, 0.3515, 0.2941

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.



41.2962, 0.3692, 0.3217



41.2962, 0.2857, 0.3670



41.2962, 0.3011, 0.2763

Square

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



41.2962, 0.2857, 0.3670



41.2962, 0.2496, 0.2775



41.2962, 0.3380, 0.2949



41.2962, 0.3792, 0.3778

Rectangle

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



41.2962, 0.2857, 0.3670



41.2962, 0.2483, 0.3099



41.2962, 0.3380, 0.2949



41.2962, 0.3817, 0.3416

Sweetspot

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



41.2979, 0.2857, 0.3670



82.7955, 0.3044, 0.3390



42.5534, 0.3302, 0.4128



17.7186, 0.3031, 0.3407



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



41.2979, 0.2857, 0.3670



72.9327, 0.2807, 0.3766



41.0826, 0.2684, 0.3247



10.1423, 0.3042, 0.3392



24.3202, 0.2659, 0.4774



0.8696, 0.2541, 0.4349

Inverse Universe

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



27.6294, 0.3515, 0.2941



44.3224, 0.3631, 0.2864



27.6417, 0.3805, 0.3333



9.0759, 0.3221, 0.3190



7.4428, 0.5189, 0.2632



0.2749, 0.4552, 0.2281

Previews

White Background



This preview shows how the Yxy color 41.2962, 0.2857, 0.3670 looks on a white background.

Color Contrast Check

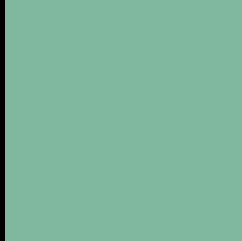
Large Text (above 18pt) WCAG AA × Fail

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 41.2962, 0.2857, 0.3670 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

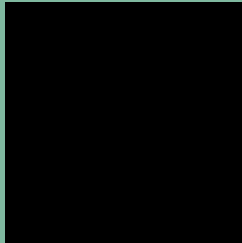
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.2962, 0.2857, 0.3670

Background



This preview shows how black text looks on a background with the Yxy color 41.2962, 0.2857, 0.3670.

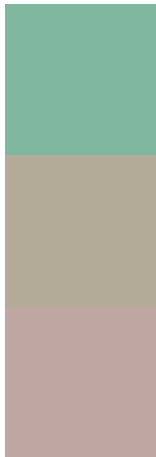


This preview shows how white text looks on a background with the Yxy color 41.2962, 0.2857, 0.3670.

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

41.2962, 0.2857, 0.3670

Protanopia

40.9765, 0.3365, 0.3552

Deuteranopia

40.9931, 0.3390, 0.3330



Tritanopia

41.1588, 0.2670, 0.3089

Trichromacy



Original Color

41.2962, 0.2857, 0.3670

Protanomaly

40.8908, 0.3157, 0.3592

Deuteranomaly

40.8206, 0.3174, 0.3444

Tritanomaly

41.2092, 0.2731, 0.3289

Monochromacy



Original Color

41.2962, 0.2857, 0.3670

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

38.3138, 0.3023, 0.3422

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.2962, 0.2857, 0.3670 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(127, 184, 159)` looks like.

```
.text, #text, p{  
    color:rgb(127, 184, 159)  
}
```

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(127, 184, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 184, 159) }
```

Border

The CSS property to change the border of an element to Yxy 41.2962, 0.2857, 0.3670 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(127, 184, 159) }
```

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

```
.border{ border-color:rgb(127, 184, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 184, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 184, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 184, 159);  
box-shadow:4px 4px 4px 4px rgb(127, 184,  
159) }
```


Background

The CSS property to change the background color of an element to Yxy 41.2962, 0.2857, 0.3670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 184, 159) }
```

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

```
.background{ background-color: rgb(127,  
184, 159) }
```

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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