

Converting Colors

$Yxy(43.5021, 0.2934, 0.4073)$

Have a look what the booklet for
Yxy(43.5021, 0.2934, 0.4073)
contains.

Yxy(43.6154, 0.2935, 0.4077)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(43.6154, 0.2935, 0.4077)

Conversions

Conversions Part 1

Format	Color
Hex	78C08D
RGB	120, 192, 141
RGB Percent	47%, 75%, 55%
CMY	0.5296, 0.2470, 0.4470
CMYK	0.38, 0.00, 0.27, 0.25
HSL	138°, 36%, 61%
HSV	138°, 38%, 75%
XYZ	31.3984, 43.6154, 31.9654
YIQ	164.6580, -26.5410, -31.1250

Conversions

Conversions Part 2

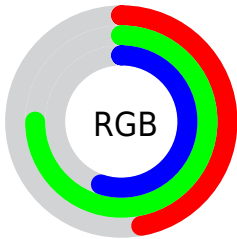
Format	Color
RYB	120, 176, 192
Decimal	7913613
CIELab	71.97, -33.54, 18.75
CIElCh	72, 38.427, 150.795
Yxy	43.6154, 0.2935, 0.4077
Android (android.graphics.Color)	4286103693 (0xFF78C08D)
YUV	164.6580, -11.6634, -39.1651
Hunter-Lab	66.0420, -30.7090, 17.5321

Details

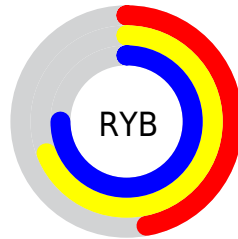
The Yxy color $43.6154, 0.2935, 0.4077$ is a light color, and the websafe version is hex $66CC99$. A complement of this color would be $27.5680, 0.3399, 0.2618$, and the grayscale version is $37.5170, 0.3127, 0.3290$.

A 20% lighter version of the original color is $80.8055, 0.2978, 0.3919$, and $20.1256, 0.2858, 0.4328$ is the 20% darker color. If you saturate the color by 10%, you get $41.9998, 0.2895, 0.4334$, and if you desaturate by 10%, it is $45.5595, 0.2982, 0.3837$.

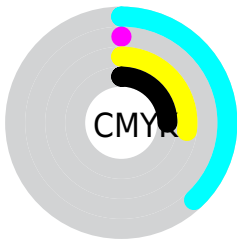
Distribution



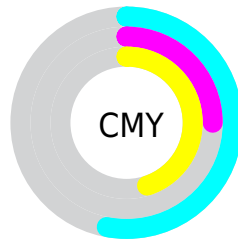
- Red (47%)
- Green (75%)
- Blue (55%)



- Red (47%)
- Yellow (69%)
- Blue (75%)



- Cyan (38%)
- Magenta (0%)
- Yellow (27%)
- Black (25%)





- Cyan (53%)
- Magenta (25%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.6154, 0.2935, 0.4077 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 43.6154, 0.2935, 0.4077 by changing the saturation by 10% instead.


 43.6154, 0.2935,
0.4077

 43.6154, 0.2935,
0.4077


361.1365, 0.3042,
0.3660


 30.3683, 0.2904,
0.4189


 80.6387, 0.2977,
0.3920

 20.1183, 0.2863,
0.4338

 105.1837, 0.2991,
0.3862

 12.4811, 0.2803,
0.4544


 134.2633, 0.3004,
0.3814

 7.0722, 0.2710,
0.4849

168.2622, 0.3014,
0.3774

 3.5073, 0.2550,
0.5338

207.5645, 0.3022,
0.3739

 1.4020, 0.2232,
0.7099

252.5547, 0.3030,

 0.2182, 0.0000,

0.3709

1.0000

303.6173, 0.3036,
0.3683

0.0000, 0.0000,
0.0000

43.6154, 0.2935,
0.4077

43.6154, 0.2935,
0.4077

41.9998, 0.2895,
0.4334

45.5595, 0.2982,
0.3837

40.6889, 0.2864,
0.4603

47.8435, 0.3034,
0.3619

39.6644, 0.2847,
0.4873


50.4850, 0.3087,
0.3423

38.9034, 0.2845,
0.5134

53.4987, 0.3140,
0.3249

38.3795, 0.2859,
0.5371

56.8983, 0.3193,
0.3097

 38.0555, 0.2887,
0.5574

 60.6970, 0.3243,
0.2963

 37.9908, 0.2894,
0.5619

 64.9075, 0.3291,
0.2847

 65.8496, 0.3194,
0.2721

 66.1842, 0.3156,
0.2673

Harmonies

Analogous

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



43.6154, 0.3474, 0.4289



43.6154, 0.2935, 0.4077



43.6154, 0.2472, 0.3584

Triad

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



43.6154, 0.2935, 0.4077



43.6154, 0.2329, 0.2440



43.6154, 0.4155, 0.3403

Complementary

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



43.6154, 0.2935, 0.4077



27.5680, 0.3399, 0.2618

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.



43.6154, 0.3793, 0.2988



43.6154, 0.2935, 0.4077



43.6154, 0.2717, 0.2456

Square

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



43.6154, 0.2935, 0.4077



43.6154, 0.2149, 0.2632



43.6154, 0.3251, 0.2652



43.6154, 0.4204, 0.3827

Rectangle

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



43.6154, 0.2935, 0.4077



43.6154, 0.2264, 0.3210



43.6154, 0.3251, 0.2652



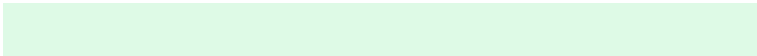
43.6154, 0.4065, 0.3260

Sweetspot

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



43.6172, 0.2935, 0.4077



89.6418, 0.3067, 0.3492



47.7840, 0.3501, 0.4272



19.0897, 0.3060, 0.3518



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.



43.6172, 0.2935, 0.4077



76.5789, 0.2901, 0.4287



44.8443, 0.2705, 0.3519



11.3062, 0.3077, 0.3457



25.5723, 0.2888, 0.5597



1.1173, 0.2757, 0.5124

Inverse Universe

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



27.5680, 0.3399, 0.2618



43.3355, 0.3480, 0.2475



26.3947, 0.3833, 0.3078



10.1957, 0.3181, 0.3128



8.7490, 0.4105, 0.2035



0.3896, 0.3861, 0.1901

Previews

White Background



This preview shows how the Yxy color 43.6154, 0.2935, 0.4077 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 43.6154, 0.2935, 0.4077 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

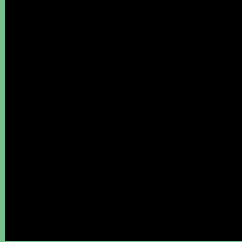
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 43.6154, 0.2935, 0.4077

Background



This preview shows how black text looks on a background with the Yxy color 43.6154, 0.2935, 0.4077.



This preview shows how white text looks on a background with the Yxy color 43.6154, 0.2935, 0.4077.

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

43.6154, 0.2935, 0.4077

Protanopia

43.0448, 0.3607, 0.3853

Deuteranopia

43.1478, 0.3656, 0.3585



Tritanopia

43.3100, 0.2627, 0.3078

Trichromacy



Original Color

43.6154, 0.2935, 0.4077



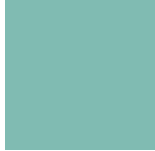
Protanomaly

42.6119, 0.3331, 0.3935



Deuteranomaly

42.3421, 0.3365, 0.3751



Tritanomaly

43.3442, 0.2739, 0.3421

Monochromacy



Original Color

43.6154, 0.2935, 0.4077



Achromatopsia

37.6262, 0.3127, 0.3290



Achromatomaly

39.4498, 0.3053, 0.3571

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.6154, 0.2935, 0.4077 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(120, 192, 141)` looks like.

```
.text, #text, p{  
    color:rgb(120, 192, 141)  
}
```

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(120, 192, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 192, 141) }
```

Border

The CSS property to change the border of an element to Yxy 43.6154, 0.2935, 0.4077 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(120, 192, 141) }
```

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

```
.border{ border-color:rgb(120, 192, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 192, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 192, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 192, 141);  
box-shadow:4px 4px 4px 4px rgb(120, 192,  
141) }
```


Background

The CSS property to change the background color of an element to Yxy 43.6154, 0.2935, 0.4077 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 192, 141) }
```

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

```
.background{ background-color: rgb(120,  
192, 141) }
```

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