

Converting Colors

$Y_{xy}(44.2890, 0.2841, 0.3967)$

Have a look what the booklet for
Yxy(44.2890, 0.2841, 0.3967)
contains.

Yxy(44.3630, 0.2838, 0.3967)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(44.3630, 0.2838, 0.3967)

Conversions

Conversions Part 1

Format	Color
Hex	72C296
RGB	114, 194, 150
RGB Percent	45%, 76%, 59%
CMY	0.5528, 0.2392, 0.4119
CMYK	0.41, 0.00, 0.23, 0.24
HSL	147°, 40%, 60%
HSV	147°, 41%, 76%
XYZ	31.7374, 44.3630, 35.7297
YIQ	165.0640, -33.5560, -30.6440

Conversions

Conversions Part 2

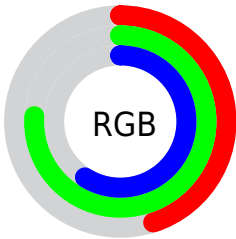
Format	Color
RYB	114, 169, 194
Decimal	7520918
CIELab	72.47, -34.46, 14.59
CIELCh	72, 37.417, 157.057
Yxy	44.3630, 0.2838, 0.3967
Android (android.graphics.Color)	4285710998 (0xFF72C296)
YUV	165.0640, -7.4266, -44.7831
Hunter-Lab	66.6056, -31.5049, 14.8185

Details

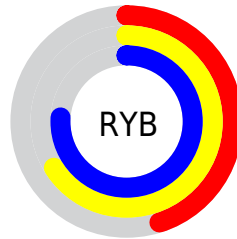
The Yxy color **44.3630, 0.2838, 0.3967** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **25.9834, 0.3588, 0.2706**, and the grayscale version is **37.7110, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.7890, 0.2897, 0.3836**, and **20.6177, 0.2744, 0.4192** is the 20% darker color. If you saturate the color by 10%, you get **42.8699, 0.2787, 0.4169**, and if you desaturate by 10%, it is **46.1671, 0.2900, 0.3778**.

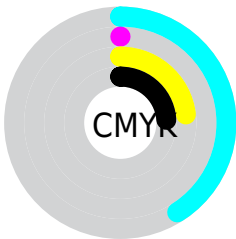
Distribution



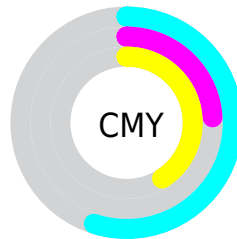
- Red (45%)
- Green (76%)
- Blue (59%)



- Red (45%)
- Yellow (66%)
- Blue (76%)



- Cyan (41%)
- Magenta (0%)
- Yellow (23%)
- Black (24%)





- Cyan (55%)
- Magenta (24%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.3630, 0.2838, 0.3967 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 44.3630, 0.2838, 0.3967 by changing the saturation by 10% instead.


 44.3630, 0.2838,
0.3967

 44.3630, 0.2838,
0.3967

364.1875, 0.2991,
0.3611

 30.9560, 0.2797,
0.4062


 81.7637, 0.2896,
0.3833

 20.5653, 0.2743,
0.4188


 106.5262, 0.2917,
0.3784

 12.8067, 0.2667,
0.4361

 135.8426, 0.2934,
0.3743

 7.2955, 0.2555,
0.4617

170.0973, 0.2949,
0.3709

 3.6476, 0.2375,
0.5027

209.6748, 0.2962,
0.3679

 1.4785, 0.1936,
0.6077

254.9594, 0.2973,

 0.2735, 0.0000,

0.3653

1.0000

306.3355, 0.2982,
0.3631

0.0000, 0.0000,
0.0000

44.3630, 0.2838,
0.3967

44.3630, 0.2838,
0.3967

42.8699, 0.2787,
0.4169

46.1671, 0.2900,
0.3778

41.6638, 0.2749,
0.4381

48.2934, 0.2969,
0.3604

40.7261, 0.2729,
0.4596


50.7596, 0.3042,
0.3447


40.0335, 0.2727,
0.4809

53.5800, 0.3118,
0.3306

39.5582, 0.2745,
0.5013

56.7684, 0.3194,
0.3181

 39.2749, 0.2772,
0.5180

 60.3378, 0.3268,
0.3071

 64.3005, 0.3341,
0.2974

 65.8671, 0.3299,
0.2875

 66.5049, 0.3220,
0.2774

Harmonies

Analogous

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



44.3630, 0.3357, 0.4241



44.3630, 0.2838, 0.3967



44.3630, 0.2419, 0.3461

Triad

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



44.3630, 0.2838, 0.3967



44.3630, 0.2416, 0.2452



44.3630, 0.4159, 0.3490

Complementary

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



44.3630, 0.2838, 0.3967



25.9834, 0.3588, 0.2706

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.



44.3630, 0.3866, 0.3078



44.3630, 0.2838, 0.3967



44.3630, 0.2830, 0.2506

Square

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



44.3630, 0.2838, 0.3967



44.3630, 0.2195, 0.2596



44.3630, 0.3363, 0.2729



44.3630, 0.4141, 0.3893

Rectangle

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



44.3630, 0.2838, 0.3967



44.3630, 0.2245, 0.3108



44.3630, 0.3363, 0.2729



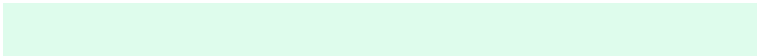
44.3630, 0.4093, 0.3349

Sweetspot

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



44.3648, 0.2838, 0.3967



91.5007, 0.3035, 0.3461



47.2065, 0.3429, 0.4411



19.9010, 0.3025, 0.3482



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



44.3648, 0.2838, 0.3967



78.0259, 0.2793, 0.4139



45.8237, 0.2599, 0.3366



11.3324, 0.3056, 0.3420



25.8379, 0.2765, 0.5156



1.1303, 0.2643, 0.4716

Inverse Universe

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



25.9834, 0.3588, 0.2706



40.4393, 0.3727, 0.2590



24.8531, 0.4097, 0.3220



10.1686, 0.3205, 0.3164



8.2531, 0.4725, 0.2377



0.3703, 0.4299, 0.2142

Previews

White Background



This preview shows how the Yxy color 44.3630, 0.2838, 0.3967 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 44.3630, 0.2838, 0.3967 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 44.3630, 0.2838, 0.3967

Background



This preview shows how black text looks on a background with the Yxy color 44.3630, 0.2838, 0.3967.

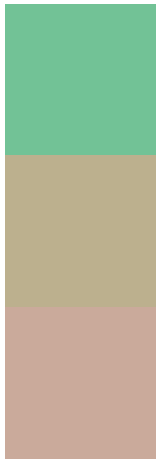


This preview shows how white text looks on a background with the Yxy color 44.3630, 0.2838, 0.3967.

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

44.3630, 0.2838, 0.3967

Protanopia

43.6950, 0.3526, 0.3744

Deuteranopia

43.6726, 0.3560, 0.3482



Tritanopia

44.2405, 0.2577, 0.3078

Trichromacy



Original Color

44.3630, 0.2838, 0.3967

Protanomaly

43.4884, 0.3238, 0.3832

Deuteranomaly

43.0862, 0.3259, 0.3653

Tritanomaly

44.3834, 0.2673, 0.3391

Monochromacy



Original Color

44.3630, 0.2838, 0.3967

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

39.6997, 0.2996, 0.3527

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.3630, 0.2838, 0.3967 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(114, 194, 150)` looks like.

```
.text, #text, p{  
    color:rgb(114, 194, 150)  
}
```

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(114, 194, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 194, 150) }
```

Border

The CSS property to change the border of an element to Yxy 44.3630, 0.2838, 0.3967 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(114, 194, 150) }
```

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

```
.border{ border-color:rgb(114, 194, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 194, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 194, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 194, 150);  
box-shadow:4px 4px 4px 4px rgb(114, 194,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 44.3630, 0.2838, 0.3967 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 194, 150) }
```

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

```
.background{ background-color: rgb(114,  
194, 150) }
```

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