

Converting Colors

$Y_{xy}(37.7561, 0.2950, 0.3598)$

Have a look what the booklet for
Yxy(37.7561, 0.2950, 0.3598)
contains.

Yxy(37.7561, 0.2950, 0.3598)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(37.7561, 0.2950, 0.3598)

Conversions

Conversions Part 1

Format	Color
Hex	87AE9A
RGB	135, 174, 154
RGB Percent	53%, 68%, 60%
CMY	0.4707, 0.3176, 0.3961
CMYK	0.22, 0.00, 0.12, 0.32
HSL	149°, 19%, 61%
HSV	149°, 22%, 68%
XYZ	30.9562, 37.7561, 36.2240
YIQ	160.0590, -16.8240, -14.4880

Conversions

Conversions Part 2

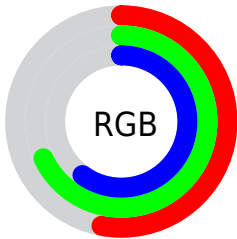
Format	Color
RYB	135, 161, 174
Decimal	8892058
CIELab	67.84, -17.37, 5.97
CIElCh	68, 18.367, 161.032
Yxy	37.7561, 0.2950, 0.3598
Android (android.graphics.Color)	4287082138 (0xFF87AE9A)
YUV	160.0590, -2.9871, -21.9767
Hunter-Lab	61.4460, -17.6030, 8.0592

Details

The Yxy color **37.7561, 0.2950, 0.3598** is a light color, and the websafe version is hex **669999**. A complement of this color would be **28.6860, 0.3352, 0.3001**, and the grayscale version is **35.2003, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.9665, 0.2989, 0.3545**, and **16.5388, 0.2887, 0.3690** is the 20% darker color. If you saturate the color by 10%, you get **36.1443, 0.2878, 0.3759**, and if you desaturate by 10%, it is **39.6290, 0.3027, 0.3452**.

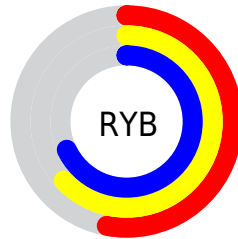
Distribution



Red (53%)

Green (68%)

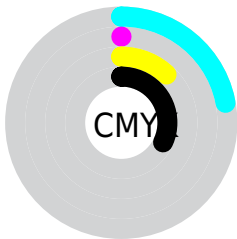
Blue (60%)



Red (53%)

Yellow (63%)

Blue (68%)

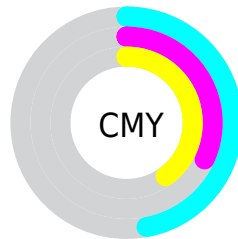


Cyan (22%)

Magenta (0%)

Yellow (12%)

Black (32%)



Cyan (47%)


Magenta (32%)


Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.7561, 0.2950, 0.3598 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 37.7561, 0.2950, 0.3598 by changing the saturation by 10% instead.


 37.7561, 0.2950,
0.3598


 37.7561, 0.2950,
0.3598


336.5725, 0.3043,
0.3435

 25.7934, 0.2925,
0.3642


 71.7341, 0.2985,
0.3537

 16.6692, 0.2892,
0.3700


 94.5183, 0.2998,
0.3514

 9.9989, 0.2846,
0.3781


 121.6785, 0.3009,
0.3496

 5.3982, 0.2778,
0.3903

153.5990, 0.3018,
0.3480

 2.4828, 0.2666,
0.4103

190.6643, 0.3025,
0.3466

 0.8680, 0.2232,
0.4831

233.2587, 0.3032,

 0.0000, 0.0000,

0.3455

0.0000

281.7666, 0.3038,
0.3444

■ 37.7561, 0.2950,
0.3598

■ 37.7561, 0.2950,
0.3598

■ 36.1443, 0.2878,
0.3759

■ 39.6290, 0.3027,
0.3452

■ 34.7771, 0.2813,
0.3934

■ 41.7695, 0.3107,
0.3320

■ 33.6430, 0.2760,
0.4121

■ 44.1895, 0.3188,
0.3203

■ 32.7279, 0.2721,
0.4316

■ 46.8990, 0.3268,
0.3099

■ 32.0162, 0.2699,
0.4516

■ 49.9075, 0.3346,
0.3008

■ 31.4899, 0.2696,
0.4714

■ 53.2238, 0.3421,
0.2928

■ 31.1277, 0.2713,
0.4905

■ 56.5176, 0.3478,
0.2856

■ 30.9288, 0.2734,
0.5043

■ 56.9931, 0.3402,
0.2769

■ 57.4940, 0.3328,
0.2684

Harmonies

Analogous

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



37.7561, 0.3223, 0.3755



37.7561, 0.2950, 0.3598



37.7561, 0.2731, 0.3350

Triad

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



37.7561, 0.2950, 0.3598



37.7561, 0.2774, 0.2835



37.7561, 0.3666, 0.3445

Complementary

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



37.7561, 0.2950, 0.3598



28.6860, 0.3352, 0.3001

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.



37.7561, 0.3535, 0.3214



37.7561, 0.2950, 0.3598



37.7561, 0.3012, 0.2872

Square

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



37.7561, 0.2950, 0.3598



37.7561, 0.2632, 0.2912



37.7561, 0.3292, 0.3009



37.7561, 0.3644, 0.3650

Rectangle

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



37.7561, 0.2950, 0.3598



37.7561, 0.2641, 0.3176



37.7561, 0.3292, 0.3009



37.7561, 0.3638, 0.3368

Sweetspot

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



37.7577, 0.2950, 0.3598



73.8732, 0.3070, 0.3380



39.0074, 0.3280, 0.3871



16.3691, 0.3065, 0.3387



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



37.7577, 0.2950, 0.3598



66.9467, 0.2913, 0.3678



38.4559, 0.2805, 0.3299



9.0020, 0.3052, 0.3409



22.4417, 0.2729, 0.5023



0.6354, 0.2570, 0.4450

Inverse Universe

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



28.6860, 0.3352, 0.3001



47.5122, 0.3416, 0.2933



28.0866, 0.3568, 0.3282



8.0813, 0.3209, 0.3174



7.0647, 0.4872, 0.2458



0.2075, 0.4243, 0.2111

Previews

White Background



This preview shows how the Yxy color 37.7561, 0.2950, 0.3598 looks on a white background.

Color Contrast Check

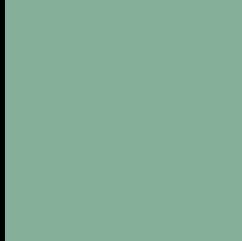
Large Text (above 18pt) WCAG AA × Fail

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 37.7561, 0.2950, 0.3598 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

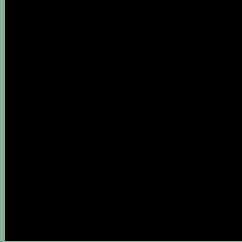
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.7561, 0.2950, 0.3598

Background



This preview shows how black text looks on a background with the Yxy color 37.7561, 0.2950, 0.3598.



This preview shows how white text looks on a background with the Yxy color 37.7561, 0.2950, 0.3598.

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

37.7561, 0.2950, 0.3598

Protanopia

37.3788, 0.3328, 0.3505

Deuteranopia

37.4209, 0.3392, 0.3318



Tritanopia

37.8311, 0.2778, 0.3100

Trichromacy



Original Color

37.7561, 0.2950, 0.3598

Protanomaly

37.5087, 0.3180, 0.3541

Deuteranomaly

37.0582, 0.3216, 0.3405

Tritanomaly

37.5933, 0.2844, 0.3274

Monochromacy



Original Color

37.7561, 0.2950, 0.3598

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

35.9582, 0.3058, 0.3395

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.7561, 0.2950, 0.3598 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(135, 174, 154)` looks like.

```
.text, #text, p{  
    color:rgb(135, 174, 154)  
}
```

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(135, 174, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 174, 154) }
```

Border

The CSS property to change the border of an element to Yxy 37.7561, 0.2950, 0.3598 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(135, 174, 154) }
```

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

```
.border{ border-color:rgb(135, 174, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 174, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 174, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 174, 154);  
box-shadow:4px 4px 4px 4px rgb(135, 174,  
154) }
```


Background

The CSS property to change the background color of an element to Yxy 37.7561, 0.2950, 0.3598 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 174, 154) }
```

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

```
.background{ background-color: rgb(135,  
174, 154) }
```

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