

Converting Colors

$Y_{xy}(37.0916, 0.2852, 0.3514)$

Have a look what the booklet for
Yxy(37.0916, 0.2852, 0.3514)
contains.

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Color

Yxy(36.9795, 0.2855, 0.3507)

Conversions

Conversions Part 1

Format	Color
Hex	80AD9F
RGB	128, 173, 159
RGB Percent	50%, 68%, 62%
CMY	0.4981, 0.3216, 0.3764
CMYK	0.26, 0.00, 0.08, 0.32
HSL	161°, 22%, 59%
HSV	161°, 26%, 68%
XYZ	30.1045, 36.9795, 38.3608
YIQ	157.9490, -22.3260, -13.8940

Conversions

Conversions Part 2

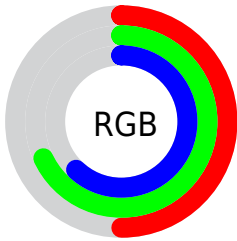
Format	Color
RYB	128, 155, 173
Decimal	8433055
CIELab	67.26, -18.06, 2.30
CIELCh	67, 18.205, 172.745
Yxy	36.9795, 0.2855, 0.3507
Android (android.graphics.Color)	4286623135 (0xFF80AD9F)
YUV	157.9490, 0.5181, -26.2653
Hunter-Lab	60.8108, -18.0521, 5.1661

Details

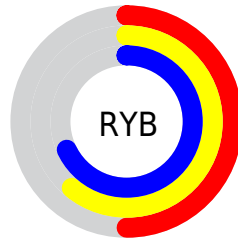
The Yxy color **36.9795, 0.2855, 0.3507** is a light color, and the websafe version is hex **669999**. A complement of this color would be **26.2745, 0.3502, 0.3084**, and the grayscale version is **34.1738, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.8387, 0.2908, 0.3465**, and **16.3352, 0.2763, 0.3581** is the 20% darker color. If you saturate the color by 10%, you get **35.5693, 0.2763, 0.3605**, and if you desaturate by 10%, it is **38.6296, 0.2955, 0.3417**.

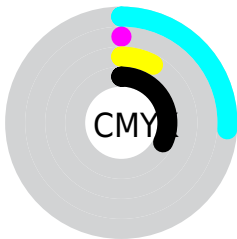
Distribution



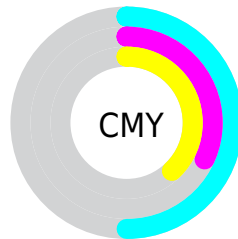
- Red (50%)
- Green (68%)
- Blue (62%)



- Red (50%)
- Yellow (61%)
- Blue (68%)



- Cyan (26%)
- Magenta (0%)
- Yellow (8%)
- Black (32%)





- Cyan (50%)
- Magenta (32%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.9795, 0.2855, 0.3507 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 36.9795, 0.2855, 0.3507 by changing the saturation by 10% instead.


 36.9795, 0.2855,
0.3507


 36.9795, 0.2855,
0.3507


333.2218, 0.2997,
0.3393


 25.1916, 0.2818,
0.3537


 70.5413, 0.2908,
0.3464

 16.2199, 0.2768,
0.3577


 93.0839, 0.2927,
0.3449

 9.6799, 0.2701,
0.3633


 119.9803, 0.2944,
0.3436

 5.1872, 0.2602,
0.3715

151.6148, 0.2957,
0.3425

 2.3575, 0.2443,
0.3850

188.3718, 0.2969,
0.3415

 0.8039, 0.1755,
0.4365

230.6357, 0.2980,

 0.0000, 0.0000,

0.3407

0.0000

278.7909, 0.2989,
0.3400

■ 36.9795, 0.2855,
0.3507

■ 36.9795, 0.2855,
0.3507

■ 35.5693, 0.2763,
0.3605

■ 38.6296, 0.2955,
0.3417

■ 34.3828, 0.2682,
0.3709

■ 40.5258, 0.3062,
0.3335

■ 33.4086, 0.2616,
0.3819

■ 42.6800, 0.3171,
0.3262

■ 32.6329, 0.2566,
0.3933

■ 45.1017, 0.3281,
0.3196

■ 32.0398, 0.2535,
0.4050

■ 47.8000, 0.3391,
0.3137

■ 31.6111, 0.2524,
0.4168

■ 50.7837, 0.3499,
0.3086

■ 31.3229, 0.2531,
0.4284

■ 54.0609, 0.3604,
0.3040

■ 31.2262, 0.2536,
0.4330

■ 55.4132, 0.3607,
0.2990

■ 55.6723, 0.3559,
0.2936

Harmonies

Analogous

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



36.9795, 0.3115, 0.3708



36.9795, 0.2855, 0.3507



36.9795, 0.2673, 0.3247

Triad

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



36.9795, 0.2855, 0.3507



36.9795, 0.2858, 0.2837



36.9795, 0.3675, 0.3531

Complementary

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



36.9795, 0.2855, 0.3507



26.2745, 0.3502, 0.3084

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.



36.9795, 0.3602, 0.3304



36.9795, 0.2855, 0.3507



36.9795, 0.3121, 0.2916

Square

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



36.9795, 0.2855, 0.3507



36.9795, 0.2675, 0.2869



36.9795, 0.3396, 0.3083



36.9795, 0.3593, 0.3709

Rectangle

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



36.9795, 0.2855, 0.3507



36.9795, 0.2615, 0.3084



36.9795, 0.3396, 0.3083



36.9795, 0.3668, 0.3458

Sweetspot

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



36.9810, 0.2855, 0.3507



71.8177, 0.3039, 0.3352



37.2194, 0.3220, 0.3990



15.4961, 0.3023, 0.3364



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



36.9810, 0.2855, 0.3507



64.7806, 0.2803, 0.3560



34.4269, 0.2742, 0.3162



9.0291, 0.3026, 0.3361



22.9502, 0.2533, 0.4318



0.6477, 0.2435, 0.3967

Inverse Universe

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



26.2745, 0.3502, 0.3084



42.4518, 0.3610, 0.3038



28.1213, 0.3639, 0.3414



8.0548, 0.3239, 0.3220



6.7300, 0.5685, 0.2905



0.1972, 0.4827, 0.2433

Previews

White Background



This preview shows how the Yxy color 36.9795, 0.2855, 0.3507 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 36.9795, 0.2855, 0.3507 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

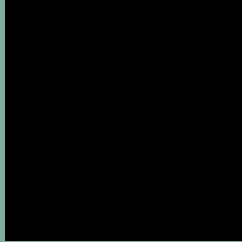
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.9795, 0.2855, 0.3507

Background



This preview shows how black text looks on a background with the Yxy color 36.9795, 0.2855, 0.3507.



This preview shows how white text looks on a background with the Yxy color 36.9795, 0.2855, 0.3507.

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

36.9795, 0.2855, 0.3507

Protanopia

36.8191, 0.3264, 0.3434

Deuteranopia

36.6461, 0.3296, 0.3235



Tritanopia

36.7814, 0.2715, 0.3081

Trichromacy



Original Color

36.9795, 0.2855, 0.3507

Protanomaly

36.7763, 0.3100, 0.3469

Deuteranomaly

36.2412, 0.3116, 0.3319

Tritanomaly

36.6307, 0.2765, 0.3228

Monochromacy



Original Color

36.9795, 0.2855, 0.3507

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

34.8661, 0.3022, 0.3366

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.9795, 0.2855, 0.3507 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(128, 173, 159)` looks like.

```
.text, #text, p{  
    color:rgb(128, 173, 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(128, 173, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 173, 159) }
```

Border

The CSS property to change the border of an element to Yxy 36.9795, 0.2855, 0.3507 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(128, 173, 159) }
```

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

```
.border{ border-color:rgb(128, 173, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 173, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 173, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 173, 159);  
box-shadow:4px 4px 4px 4px rgb(128, 173,  
159) }
```


Background

The CSS property to change the background color of an element to Yxy 36.9795, 0.2855, 0.3507 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 173, 159) }
```

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

```
.background{ background-color: rgb(128,  
173, 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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