

Converting Colors

$Yxy(37.0645, 0.2965, 0.3651)$

Have a look what the booklet for
Yxy(37.0645, 0.2965, 0.3651)
contains.

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Color

Yxy(37.0757, 0.2964, 0.3648)

Conversions

Conversions Part 1

Format	Color
Hex	85AD96
RGB	133, 173, 150
RGB Percent	52%, 68%, 59%
CMY	0.4784, 0.3216, 0.4117
CMYK	0.23, 0.00, 0.13, 0.32
HSL	146°, 20%, 60%
HSV	146°, 23%, 68%
XYZ	30.1240, 37.0757, 34.4332
YIQ	158.4180, -16.4570, -15.6330

Conversions

Conversions Part 2

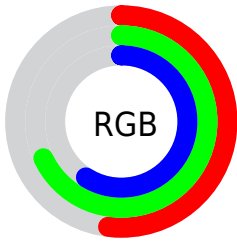
Format	Color
RYB	133, 161, 173
Decimal	8760726
CIELab	67.33, -18.30, 7.42
CIELCh	67, 19.743, 157.929
Yxy	37.0757, 0.2964, 0.3648
Android (android.graphics.Color)	4286950806 (0xFF85AD96)
YUV	158.4180, -4.1501, -22.2916
Hunter-Lab	60.8898, -18.2479, 9.0943

Details

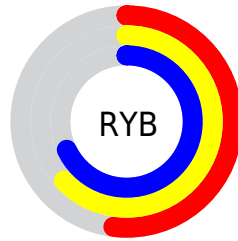
The Yxy color $37.0757, 0.2964, 0.3648$ is a light color, and the websafe version is hex 669999 . A complement of this color would be $28.0616, 0.3333, 0.2958$, and the grayscale version is $34.4188, 0.3127, 0.3290$.

A 20% lighter version of the original color is $70.9631, 0.3000, 0.3583$, and $16.3694, 0.2907, 0.3786$ is the 20% darker color. If you saturate the color by 10%, you get $35.4762, 0.2899, 0.3831$, and if you desaturate by 10%, it is $38.9373, 0.3033, 0.3482$.

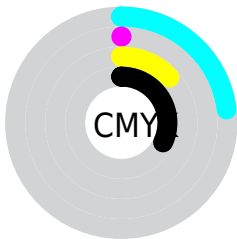
Distribution



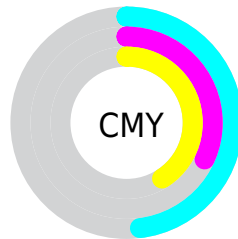
- Red (52%)
- Green (68%)
- Blue (59%)



- Red (52%)
- Yellow (63%)
- Blue (68%)



- Cyan (23%)
- Magenta (0%)
- Yellow (13%)
- Black (32%)




- Cyan (48%)
- Magenta (32%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.0757, 0.2964, 0.3648 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 37.0757, 0.2964, 0.3648 by changing the saturation by 10% instead.


 37.0757, 0.2964,
0.3648


 37.0757, 0.2964,
0.3648


333.6381, 0.3051,
0.3458


 25.2661, 0.2940,
0.3700


 70.6892, 0.2997,
0.3576

 16.2754, 0.2909,
0.3769


 93.2619, 0.3009,
0.3550

 9.7193, 0.2865,
0.3865


 120.1911, 0.3019,
0.3528

 5.2132, 0.2798,
0.4011

151.8611, 0.3027,
0.3510

 2.3729, 0.2687,
0.4254

188.6565, 0.3034,
0.3494

 0.8119, 0.2164,
0.5404

230.9615, 0.3041,

 0.0000, 0.0000,

0.3480

0.0000

279.1606, 0.3046,
0.3468

■ 37.0757, 0.2964,
0.3648

■ 37.0757, 0.2964,
0.3648

■ 35.4762, 0.2899,
0.3831

■ 38.9373, 0.3033,
0.3482

■ 34.1223, 0.2842,
0.4030

■ 41.0677, 0.3105,
0.3333

■ 33.0024, 0.2795,
0.4241

■ 43.4789, 0.3177,
0.3201

■ 32.1024, 0.2762,
0.4461

■ 46.1810, 0.3247,
0.3084

■ 31.4064, 0.2746,
0.4684

■ 49.1833, 0.3316,
0.2981

■ 30.8963, 0.2748,
0.4902

■ 52.4949, 0.3382,
0.2892

■ 30.5506, 0.2768,
0.5108

■ 56.1245, 0.3445,
0.2813

■ 30.3763, 0.2789,
0.5240

■ 56.8341, 0.3368,
0.2719

■ 57.4071, 0.3287,
0.2627

Harmonies

Analogous

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



37.0757, 0.3261, 0.3804



37.0757, 0.2964, 0.3648



37.0757, 0.2719, 0.3384

Triad

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



37.0757, 0.2964, 0.3648



37.0757, 0.2724, 0.2802



37.0757, 0.3703, 0.3430

Complementary

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



37.0757, 0.2964, 0.3648



28.0616, 0.3333, 0.2958

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.



37.0757, 0.3546, 0.3182



37.0757, 0.2964, 0.3648



37.0757, 0.2972, 0.2831

Square

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



37.0757, 0.2964, 0.3648



37.0757, 0.2586, 0.2896



37.0757, 0.3274, 0.2968



37.0757, 0.3696, 0.3657

Rectangle

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



37.0757, 0.2964, 0.3648



37.0757, 0.2614, 0.3193



37.0757, 0.3274, 0.2968



37.0757, 0.3668, 0.3347

Sweetspot

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



37.0772, 0.2964, 0.3648



71.9627, 0.3076, 0.3391



38.6824, 0.3310, 0.3885



15.5918, 0.3072, 0.3399



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.



37.0772, 0.2964, 0.3648



64.8068, 0.2928, 0.3744



37.7641, 0.2816, 0.3340



8.9938, 0.3060, 0.3423



22.3270, 0.2784, 0.5221



0.6322, 0.2611, 0.4599

Inverse Universe

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



28.0616, 0.3333, 0.2958



45.6617, 0.3394, 0.2877



27.4492, 0.3554, 0.3242



8.0896, 0.3200, 0.3160



7.2057, 0.4618, 0.2317



0.2111, 0.4087, 0.2025

Previews

White Background



This preview shows how the Yxy color 37.0757, 0.2964, 0.3648 looks on a white background.

Color Contrast Check

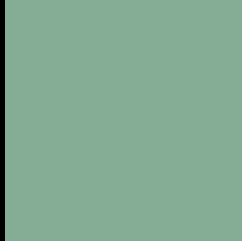
Large Text (above 18pt) WCAG AA × Fail

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 37.0757, 0.2964, 0.3648 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

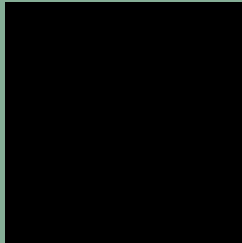
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.0757, 0.2964, 0.3648

Background



This preview shows how black text looks on a background with the Yxy color 37.0757, 0.2964, 0.3648.



This preview shows how white text looks on a background with the Yxy color 37.0757, 0.2964, 0.3648.

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

37.0757, 0.2964, 0.3648

Protanopia

36.8966, 0.3367, 0.3549

Deuteranopia

36.8209, 0.3422, 0.3360



Tritanopia

36.8716, 0.2767, 0.3083

Trichromacy



Original Color

37.0757, 0.2964, 0.3648

Protanomaly

36.9121, 0.3206, 0.3587

Deuteranomaly

36.4607, 0.3244, 0.3450

Tritanomaly

36.9701, 0.2842, 0.3289

Monochromacy



Original Color

37.0757, 0.2964, 0.3648

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

34.9505, 0.3065, 0.3411

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.0757, 0.2964, 0.3648 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(133, 173, 150)` looks like.

```
.text, #text, p{  
    color:rgb(133, 173, 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(133, 173, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 173, 150) }
```

Border

The CSS property to change the border of an element to Yxy 37.0757, 0.2964, 0.3648 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(133, 173, 150) }
```

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

```
.border{ border-color:rgb(133, 173, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 173, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 173, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 173, 150);  
box-shadow:4px 4px 4px 4px rgb(133, 173,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 37.0757, 0.2964, 0.3648 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 173, 150) }
```

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

```
.background{ background-color: rgb(133,  
173, 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](#).

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