

Converting Colors

$Yxy(36.7430, 0.2920, 0.3493)$

Have a look what the booklet for
Yxy(36.7430, 0.2920, 0.3493)
contains.

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Color

Yxy(36.7453, 0.2918, 0.3490)

Conversions

Conversions Part 1

Format	Color
Hex	87AB9E
RGB	135, 171, 158
RGB Percent	53%, 67%, 62%
CMY	0.4707, 0.3294, 0.3804
CMYK	0.21, 0.00, 0.08, 0.33
HSL	158°, 18%, 60%
HSV	158°, 21%, 67%
XYZ	30.7229, 36.7453, 37.8192
YIQ	158.7540, -17.2830, -11.6750

Conversions

Conversions Part 2

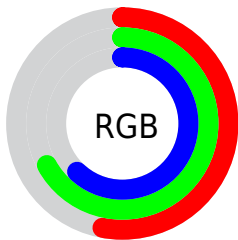
Format	Color
RYB	135, 157, 171
Decimal	8891294
CIELab	67.09, -14.98, 2.66
CIELCh	67, 15.217, 169.921
Yxy	36.7453, 0.2918, 0.3490
Android (android.graphics.Color)	4287081374 (0xFF87AB9E)
YUV	158.7540, -0.3717, -20.8323
Hunter-Lab	60.6179, -15.6125, 5.4418

Details

The Yxy color **36.7453, 0.2918, 0.3490** is a light color, and the websafe version is hex **669999**. A complement of this color would be **28.1181, 0.3395, 0.3099**, and the grayscale version is **34.5590, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.0156, 0.2958, 0.3441**, and **16.1400, 0.2843, 0.3556** is the 20% darker color. If you saturate the color by 10%, you get **35.2334, 0.2827, 0.3600**, and if you desaturate by 10%, it is **38.4988, 0.3015, 0.3390**.

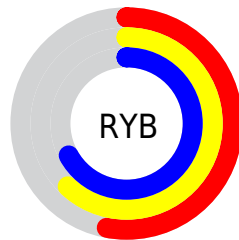
Distribution



Red (53%)

Green (67%)

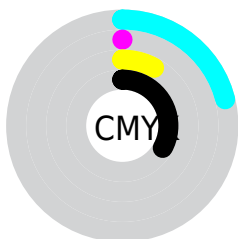
Blue (62%)



Red (53%)

Yellow (62%)

Blue (67%)

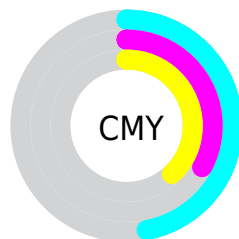


Cyan (21%)

Magenta (0%)

Yellow (8%)

Black (33%)



Cyan (47%)


Magenta (33%)

Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.7453, 0.2918, 0.3490 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 36.7453, 0.2918, 0.3490 by changing the saturation by 10% instead.


 36.7453, 0.2918,
0.3490

 36.7453, 0.2918,
0.3490


332.2065, 0.3027,
0.3385

 25.0103, 0.2889,
0.3518


 70.1809, 0.2959,
0.3450

 16.0848, 0.2851,
0.3555


 92.6503, 0.2974,
0.3436

 9.5842, 0.2798,
0.3607


 119.4667, 0.2986,
0.3424

 5.1241, 0.2721,
0.3684

151.0144, 0.2997,
0.3414

 2.3203, 0.2596,
0.3810

187.6778, 0.3006,
0.3405

 0.7844, 0.2073,
0.4281

229.8414, 0.3014,

 0.0000, 0.0000,

0.3397

0.0000

277.8895, 0.3021,
0.3391

■ 36.7453, 0.2918,
0.3490

■ 36.7453, 0.2918,
0.3490

■ 35.2334, 0.2827,
0.3600

■ 38.4988, 0.3015,
0.3390

■ 33.9474, 0.2746,
0.3718

■ 40.4996, 0.3116,
0.3299

■ 32.8770, 0.2676,
0.3845

■ 42.7588, 0.3219,
0.3218

■ 32.0092, 0.2622,
0.3977

■ 45.2857, 0.3321,
0.3146

■ 31.3295, 0.2586,
0.4114

■ 48.0889, 0.3422,
0.3082

■ 30.8215, 0.2569,
0.4252

■ 51.1766, 0.3521,
0.3026

■ 30.4657, 0.2572,
0.4390

■ 54.5569, 0.3616,
0.2977

■ 30.2390, 0.2586,
0.4511

■ 54.9140, 0.3563,
0.2915

■ 55.2228, 0.3508,
0.2853

Harmonies

Analogous

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



36.7453, 0.3140, 0.3648



36.7453, 0.2918, 0.3490



36.7453, 0.2755, 0.3276

Triad

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



36.7453, 0.2918, 0.3490



36.7453, 0.2884, 0.2906



36.7453, 0.3585, 0.3478

Complementary

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



36.7453, 0.2918, 0.3490



28.1181, 0.3395, 0.3099

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.



36.7453, 0.3512, 0.3285



36.7453, 0.2918, 0.3490



36.7453, 0.3101, 0.2964

Square

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



36.7453, 0.2918, 0.3490



36.7453, 0.2736, 0.2944



36.7453, 0.3332, 0.3100



36.7453, 0.3529, 0.3632

Rectangle

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



36.7453, 0.2918, 0.3490



36.7453, 0.2700, 0.3137



36.7453, 0.3332, 0.3100



36.7453, 0.3575, 0.3416

Sweetspot

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



36.7468, 0.2918, 0.3490



70.6631, 0.3065, 0.3344



37.1915, 0.3221, 0.3841



15.7083, 0.3059, 0.3349



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.



36.7468, 0.2918, 0.3490



64.5677, 0.2877, 0.3537



35.4366, 0.2815, 0.3216



9.0222, 0.3033, 0.3373



22.8033, 0.2583, 0.4497



0.6443, 0.2468, 0.4086

Inverse Universe

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



28.1181, 0.3395, 0.3099



46.4823, 0.3465, 0.3057



29.0998, 0.3526, 0.3363



8.0614, 0.3232, 0.3208



6.7963, 0.5494, 0.2800



0.1997, 0.4662, 0.2342

Previews

White Background



This preview shows how the Yxy color 36.7453, 0.2918, 0.3490 looks on a white background.

Color Contrast Check

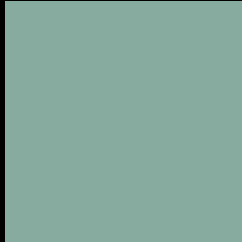
Large Text (above 18pt) WCAG AA × Fail

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 36.7453, 0.2918, 0.3490 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

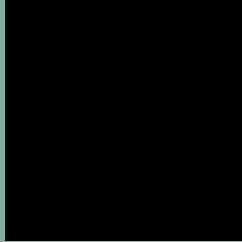
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

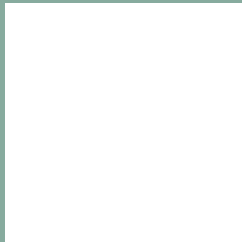
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 36.7453, 0.2918, 0.3490

Background



This preview shows how black text looks on a background with the Yxy color 36.7453, 0.2918, 0.3490.



This preview shows how white text looks on a background with the Yxy color 36.7453, 0.2918, 0.3490.

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

36.7453, 0.2918, 0.3490

Protanopia

36.4654, 0.3266, 0.3420

Deuteranopia

36.6106, 0.3306, 0.3249



Tritanopia

36.8304, 0.2774, 0.3097

Trichromacy



Original Color

36.7453, 0.2918, 0.3490

Protanomaly

36.3447, 0.3130, 0.3438

Deuteranomaly

36.5190, 0.3153, 0.3334

Tritanomaly

36.7963, 0.2827, 0.3229

Monochromacy



Original Color

36.7453, 0.2918, 0.3490

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

35.1816, 0.3041, 0.3350

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.7453, 0.2918, 0.3490 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, 171, 158)` looks like.

```
.text, #text, p{  
    color:rgb(135, 171, 158)  
}
```

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, 171, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 171, 158) }
```

Border

The CSS property to change the border of an element to Yxy 36.7453, 0.2918, 0.3490 is called "border". The border property can be set on classes, ids or directly on the HTML element.

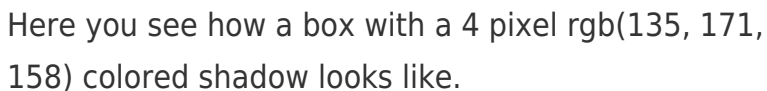
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(135, 171, 158) }
```

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

```
.border{ border-color:rgb(135, 171, 158) }
```

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



Here you see how a box with a 4 pixel `rgb(135, 171, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(135, 171, 158); -webkit-box-shadow:4px 4px 4px 4px rgb(135, 171, 158); box-shadow:4px 4px 4px 4px rgb(135, 171, 158) }
```


Background

The CSS property to change the background color of an element to Yxy 36.7453, 0.2918, 0.3490 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 171, 158) }
```

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

```
.background{ background-color: rgb(135,  
171, 158) }
```

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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