

Converting Colors

$Yxy(36.9784, 0.2943, 0.3905)$

Have a look what the booklet for
Yxy(36.9784, 0.2943, 0.3905)
contains.

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Color

Yxy(36.8076, 0.2942, 0.3907)

Conversions

Conversions Part 1

Format	Color
Hex	77B08A
RGB	119, 176, 138
RGB Percent	47%, 69%, 54%
CMY	0.5335, 0.3098, 0.4589
CMYK	0.32, 0.00, 0.22, 0.31
HSL	140°, 27%, 58%
HSV	140°, 32%, 69%
XYZ	27.7164, 36.8076, 29.6854
YIQ	154.6250, -21.7740, -23.9020

Conversions

Conversions Part 2

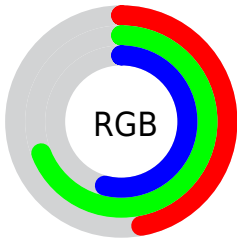
Format	Color
RYB	119, 162, 176
Decimal	7843978
CIELab	67.13, -26.76, 13.65
CIElCh	67, 30.042, 152.984
Yxy	36.8076, 0.2942, 0.3907
Android (android.graphics.Color)	4286034058 (0xFF77B08A)
YUV	154.6250, -8.1961, -31.2431
Hunter-Lab	60.6693, -24.6245, 13.4580

Details

The Yxy color **36.8076, 0.2942, 0.3907** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **24.8505, 0.3379, 0.2746**, and the grayscale version is **32.6454, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.4032, 0.2981, 0.3774**, and **16.0994, 0.2873, 0.4120** is the 20% darker color. If you saturate the color by 10%, you get **35.3558, 0.2894, 0.4139**, and if you desaturate by 10%, it is **38.5298, 0.2996, 0.3694**.

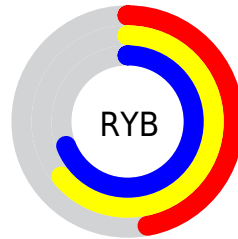
Distribution



Red (47%)

Green (69%)

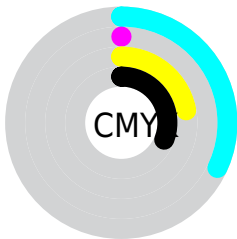
Blue (54%)



Red (47%)

Yellow (64%)

Blue (69%)

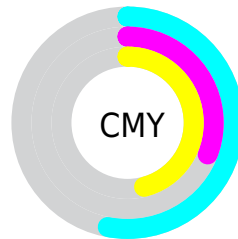


Cyan (32%)

Magenta (0%)

Yellow (22%)

Black (31%)



Cyan (53%)


Magenta (31%)


Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.8076, 0.2942, 0.3907 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 36.8076, 0.2942, 0.3907 by changing the saturation by 10% instead.


 36.8076, 0.2942,
0.3907


 36.8076, 0.2942,
0.3907


332.4768, 0.3044,
0.3574

 25.0586, 0.2913,
0.3999

 70.2768, 0.2982,
0.3780

 16.1207, 0.2873,
0.4123


 92.7657, 0.2996,
0.3734

 9.6096, 0.2815,
0.4300


 119.6034, 0.3008,
0.3696

 5.1409, 0.2724,
0.4568

151.1742, 0.3017,
0.3664

 2.3302, 0.2563,
0.5025

187.8625, 0.3026,
0.3636

 0.7896, 0.1096,
0.8904

230.0528, 0.3033,

 0.0000, 0.0000,

0.3613

0.0000

278.1294, 0.3039,
0.3592

■ 36.8076, 0.2942,
0.3907

■ 36.8076, 0.2942,
0.3907

■ 35.3558, 0.2894,
0.4139

■ 38.5298, 0.2996,
0.3694

■ 34.1558, 0.2854,
0.4385

■ 40.5306, 0.3054,
0.3501

■ 33.1941, 0.2827,
0.4640


■ 42.8236, 0.3113,
0.3328

■ 32.4536, 0.2815,
0.4894


■ 45.4202, 0.3172,
0.3176


■ 31.9151, 0.2819,
0.5137


■ 48.3309, 0.3229,
0.3042

 31.5558, 0.2840,
0.5357

 51.5662, 0.3284,
0.2926

 31.3676, 0.2863,
0.5506

 55.1355, 0.3336,
0.2824

 58.1316, 0.3346,
0.2728

 58.8201, 0.3252,
0.2619

Harmonies

Analogous

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



36.8076, 0.3392, 0.4106



36.8076, 0.2942, 0.3907



36.8076, 0.2560, 0.3501

Triad

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



36.8076, 0.2942, 0.3907



36.8076, 0.2476, 0.2572



36.8076, 0.3988, 0.3422

Complementary

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



36.8076, 0.2942, 0.3907



24.8505, 0.3379, 0.2746

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.



36.8076, 0.3707, 0.3064



36.8076, 0.2942, 0.3907



36.8076, 0.2818, 0.2593

Square

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



36.8076, 0.2942, 0.3907



36.8076, 0.2308, 0.2728



36.8076, 0.3268, 0.2770



36.8076, 0.4014, 0.3775

Rectangle

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



36.8076, 0.2942, 0.3907



36.8076, 0.2390, 0.3199



36.8076, 0.3268, 0.2770



36.8076, 0.3920, 0.3300

Sweetspot

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



36.8091, 0.2942, 0.3907



74.3819, 0.3067, 0.3460



39.5536, 0.3424, 0.4135



16.0018, 0.3059, 0.3485



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.



36.8091, 0.2942, 0.3907



64.7873, 0.2906, 0.4074



37.7460, 0.2737, 0.3437



9.5353, 0.3072, 0.3446



23.0218, 0.2857, 0.5487



0.7355, 0.2691, 0.4886

Inverse Universe

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



24.8505, 0.3379, 0.2746



39.6486, 0.3454, 0.2622



23.9878, 0.3734, 0.3151



8.5976, 0.3187, 0.3139



7.7309, 0.4256, 0.2118



0.2535, 0.3898, 0.1921

Previews

White Background



This preview shows how the Yxy color 36.8076, 0.2942, 0.3907 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 36.8076, 0.2942, 0.3907 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

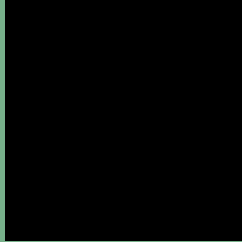
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.8076, 0.2942, 0.3907

Background



This preview shows how black text looks on a background with the Yxy color 36.8076, 0.2942, 0.3907.



This preview shows how white text looks on a background with the Yxy color 36.8076, 0.2942, 0.3907.

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

36.8076, 0.2942, 0.3907

Protanopia

36.3636, 0.3520, 0.3737

Deuteranopia

36.5060, 0.3563, 0.3498



Tritanopia

36.7575, 0.2679, 0.3094

Trichromacy



Original Color

36.8076, 0.2942, 0.3907

Protanomaly

36.1310, 0.3281, 0.3792

Deuteranomaly

36.1554, 0.3312, 0.3631

Tritanomaly

36.6550, 0.2772, 0.3366

Monochromacy



Original Color

36.8076, 0.2942, 0.3907

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

34.1151, 0.3052, 0.3508

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.8076, 0.2942, 0.3907 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(119, 176, 138)` looks like.

```
.text, #text, p{  
    color:rgb(119, 176, 138)  
}
```

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(119, 176, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 176, 138) }
```

Border

The CSS property to change the border of an element to Yxy 36.8076, 0.2942, 0.3907 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(119, 176, 138) }
```

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

```
.border{ border-color:rgb(119, 176, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 176, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 176, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 176, 138);  
box-shadow:4px 4px 4px 4px rgb(119, 176,  
138) }
```


Background

The CSS property to change the background color of an element to Yxy 36.8076, 0.2942, 0.3907 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 176, 138) }
```

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

```
.background{ background-color: rgb(119,  
176, 138) }
```

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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