

Converting Colors

$Y_{xy}(37.3299, 0.2900, 0.3668)$

Have a look what the booklet for
Yxy(37.3299, 0.2900, 0.3668)
contains.

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Color

Yxy(37.3299, 0.2900, 0.3668)

Conversions

Conversions Part 1

Format	Color
Hex	7EAF97
RGB	126, 175, 151
RGB Percent	49%, 69%, 59%
CMY	0.5061, 0.3137, 0.4078
CMYK	0.28, 0.00, 0.14, 0.31
HSL	151°, 23%, 59%
HSV	151°, 28%, 69%
XYZ	29.5138, 37.3299, 34.9281
YIQ	157.6130, -21.5000, -17.8520

Conversions

Conversions Part 2

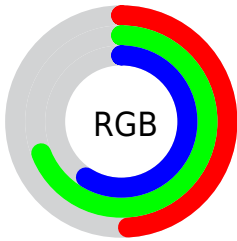
Format	Color
RYB	126, 158, 175
Decimal	8302487
CIELab	67.52, -21.43, 7.10
CIELCh	68, 22.577, 161.680
Yxy	37.3299, 0.2900, 0.3668
Android (android.graphics.Color)	4286492567 (0xFF7EAF97)
YUV	157.6130, -3.2602, -27.7246
Hunter-Lab	61.0982, -20.6964, 8.8744

Details

The Yxy color $37.3299, 0.2900, 0.3668$ is a dark color, and the websafe version is hex 669999 . A complement of this color would be $26.2238, 0.3437, 0.2942$, and the grayscale version is $34.0257, 0.3127, 0.3290$.

A 20% lighter version of the original color is $71.2629, 0.2949, 0.3597$, and $16.3350, 0.2824, 0.3793$ is the 20% darker color. If you saturate the color by 10%, you get $35.8478, 0.2829, 0.3829$, and if you desaturate by 10%, it is $39.0681, 0.2978, 0.3521$.

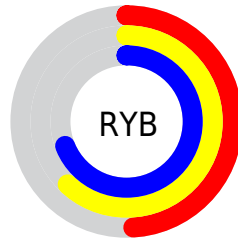
Distribution



Red (49%)

Green (69%)

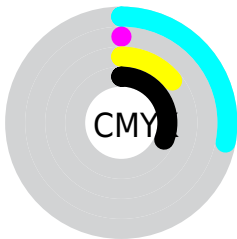
Blue (59%)



Red (49%)

Yellow (62%)

Blue (69%)

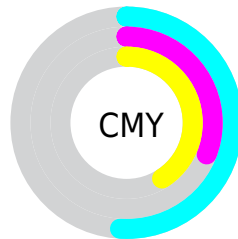


Cyan (28%)

Magenta (0%)

Yellow (14%)

Black (31%)



Cyan (51%)


Magenta (31%)


Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.3299, 0.2900, 0.3668 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 37.3299, 0.2900, 0.3668 by changing the saturation by 10% instead.


 37.3299, 0.2900,
0.3668


 37.3299, 0.2900,
0.3668


334.7366, 0.3020,
0.3467

 25.4630, 0.2868,
0.3722


 71.0799, 0.2945,
0.3592

 16.4224, 0.2825,
0.3795


 93.7318, 0.2962,
0.3564

 9.8235, 0.2765,
0.3897


 120.7475, 0.2976,
0.3541

 5.2821, 0.2676,
0.4051

152.5113, 0.2987,
0.3522

 2.4137, 0.2529,
0.4306

189.4078, 0.2997,
0.3505

 0.8329, 0.1775,
0.5508

231.8212, 0.3006,

 0.0000, 0.0000,

0.3491

0.0000

280.1360, 0.3013,
0.3478

■ 37.3299, 0.2900,
0.3668

■ 37.3299, 0.2900,
0.3668

■ 35.8478, 0.2829,
0.3829

■ 39.0681, 0.2978,
0.3521

■ 34.6045, 0.2768,
0.4002

■ 41.0693, 0.3060,
0.3387

■ 33.5879, 0.2721,
0.4185

■ 43.3460, 0.3144,
0.3268

■ 32.7829, 0.2689,
0.4374

■ 45.9085, 0.3228,
0.3161

■ 32.1726, 0.2676,
0.4564

■ 48.7666, 0.3310,
0.3068

■ 31.7370, 0.2683,
0.4751

■ 51.9295, 0.3391,
0.2985

■ 31.4440, 0.2707,
0.4930

■ 55.4061, 0.3468,
0.2913

■ 31.3931, 0.2712,
0.4965

■ 57.0674, 0.3450,
0.2836

■ 57.5316, 0.3378,
0.2753

Harmonies

Analogous

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



37.3299, 0.3235, 0.3867



37.3299, 0.2900, 0.3668



37.3299, 0.2636, 0.3354

Triad

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



37.3299, 0.2900, 0.3668



37.3299, 0.2698, 0.2733



37.3299, 0.3795, 0.3481

Complementary

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



37.3299, 0.2900, 0.3668



26.2238, 0.3437, 0.2942

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.



37.3299, 0.3637, 0.3200



37.3299, 0.2900, 0.3668



37.3299, 0.2991, 0.2784

Square

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



37.3299, 0.2900, 0.3668



37.3299, 0.2525, 0.2820



37.3299, 0.3336, 0.2951



37.3299, 0.3762, 0.3732

Rectangle

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



37.3299, 0.2900, 0.3668



37.3299, 0.2530, 0.3138



37.3299, 0.3336, 0.2951



37.3299, 0.3763, 0.3387

Sweetspot

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



37.3314, 0.2900, 0.3668



73.5015, 0.3059, 0.3388



38.7002, 0.3309, 0.4032



16.2114, 0.3047, 0.3407



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.



37.3314, 0.2900, 0.3668



65.0570, 0.2853, 0.3772



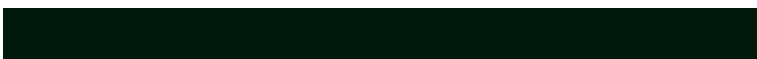
38.1927, 0.2727, 0.3289



9.0051, 0.3049, 0.3403



22.4900, 0.2707, 0.4945



0.6367, 0.2554, 0.4394

Inverse Universe

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



26.2238, 0.3437, 0.2942



41.6789, 0.3534, 0.2857



25.5281, 0.3726, 0.3292



8.0782, 0.3213, 0.3180



7.0162, 0.4970, 0.2512



0.2063, 0.4304, 0.2144

Previews

White Background



This preview shows how the Yxy color 37.3299, 0.2900, 0.3668 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 37.3299, 0.2900, 0.3668 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

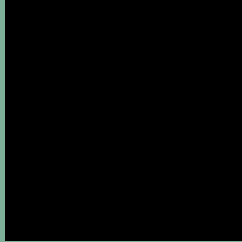
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.3299, 0.2900, 0.3668

Background



This preview shows how black text looks on a background with the Yxy color 37.3299, 0.2900, 0.3668.



This preview shows how white text looks on a background with the Yxy color 37.3299, 0.2900, 0.3668.

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

37.3299, 0.2900, 0.3668

Protanopia

36.8966, 0.3367, 0.3549

Deuteranopia

36.8541, 0.3413, 0.3346



Tritanopia

37.1967, 0.2709, 0.3082

Trichromacy



Original Color

37.3299, 0.2900, 0.3668

Protanomaly

36.7126, 0.3187, 0.3589

Deuteranomaly

36.5322, 0.3205, 0.3451

Tritanomaly

37.2294, 0.2774, 0.3289

Monochromacy



Original Color

37.3299, 0.2900, 0.3668

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

35.0285, 0.3037, 0.3427

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.3299, 0.2900, 0.3668 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(126, 175, 151)` looks like.

```
.text, #text, p{  
    color:rgb(126, 175, 151)  
}
```

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(126, 175, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 175, 151) }
```

Border

The CSS property to change the border of an element to Yxy 37.3299, 0.2900, 0.3668 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(126, 175, 151) }
```

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

```
.border{ border-color:rgb(126, 175, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 175, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 175, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 175, 151);  
box-shadow:4px 4px 4px 4px rgb(126, 175,  
151) }
```


Background

The CSS property to change the background color of an element to Yxy 37.3299, 0.2900, 0.3668 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 175, 151) }
```

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

```
.background{ background-color: rgb(126,  
175, 151) }
```

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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