

Converting Colors

$Y_{xy}(35.3473, 0.2986, 0.3994)$

Have a look what the booklet for
Yxy(35.3473, 0.2986, 0.3994)
contains.

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Color

Yxy(35.3774, 0.2986, 0.3984)

Conversions

Conversions Part 1

Format	Color
Hex	76AD83
RGB	118, 173, 131
RGB Percent	46%, 68%, 51%
CMY	0.5371, 0.3216, 0.4862
CMYK	0.32, 0.00, 0.24, 0.32
HSL	134°, 25%, 57%
HSV	134°, 32%, 68%
XYZ	26.5153, 35.3774, 26.9060
YIQ	151.7670, -19.2980, -24.7220

Conversions

Conversions Part 2

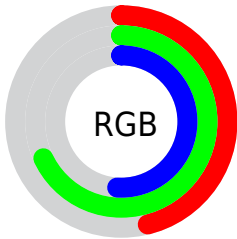
Format	Color
RYB	118, 162, 173
Decimal	7777667
CIELab	66.04, -26.92, 15.95
CIElCh	66, 31.290, 149.361
Yxy	35.3774, 0.2986, 0.3984
Android (android.graphics.Color)	4285967747 (0xFF76AD83)
YUV	151.7670, -10.2381, -29.6137
Hunter-Lab	59.4789, -24.5140, 14.8147

Details

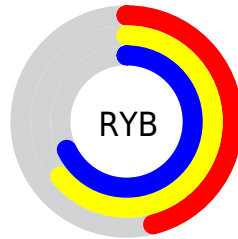
The Yxy color $35.3774, 0.2986, 0.3984$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $24.3879, 0.3309, 0.2685$, and the grayscale version is $31.3488, 0.3127, 0.3290$.

A 20% lighter version of the original color is $68.2700, 0.3022, 0.3843$, and $15.2203, 0.2929, 0.4239$ is the 20% darker color. If you saturate the color by 10%, you get $33.9405, 0.2947, 0.4250$, and if you desaturate by 10%, it is $37.0852, 0.3029, 0.3739$.

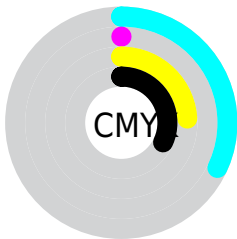
Distribution



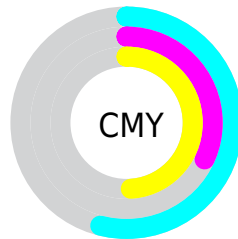
- Red (46%)
- Green (68%)
- Blue (51%)



- Red (46%)
- Yellow (64%)
- Blue (68%)



- Cyan (32%)
- Magenta (0%)
- Yellow (24%)
- Black (32%)




- Cyan (54%)
- Magenta (32%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.3774, 0.2986, 0.3984 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 35.3774, 0.2986, 0.3984 by changing the saturation by 10% instead.

 35.3774, 0.2986,
0.3984


 35.3774, 0.2986,
0.3984


326.2310, 0.3067,
0.3606

 23.9537, 0.2961,
0.4090


 68.0700, 0.3019,
0.3838

 15.2993, 0.2927,
0.4233


 90.1077, 0.3030,
0.3786

 9.0297, 0.2875,
0.4438


 116.4523, 0.3039,
0.3743

 4.7606, 0.2789,
0.4754

147.4880, 0.3047,
0.3707

 2.1075, 0.2632,
0.5307

183.5994, 0.3053,
0.3676

 0.6688, 0.0000,
1.0000

225.1708, 0.3059,

 0.0000, 0.0000,

0.3650

0.0000

272.5865, 0.3063,
0.3626

■ 35.3774, 0.2986,
0.3984

■ 35.3774, 0.2986,
0.3984

■ 33.9405, 0.2947,
0.4250

■ 37.0852, 0.3029,
0.3739

■ 32.7560, 0.2915,
0.4531

■ 39.0722, 0.3074,
0.3519

■ 31.8105, 0.2893,
0.4818

■ 41.3519, 0.3119,
0.3322

■ 31.0870, 0.2883,
0.5098


■ 43.9357, 0.3164,
0.3150


■ 30.5665, 0.2887,
0.5357


■ 46.8342, 0.3206,
0.2999

 30.2266, 0.2905,
0.5578

 50.0577, 0.3247,
0.2867

 30.0449, 0.2924,
0.5727

 53.6158, 0.3285,
0.2753

 57.2451, 0.3309,
0.2652

 58.0453, 0.3204,
0.2532

Harmonies

Analogous

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



35.3774, 0.3460, 0.4158



35.3774, 0.2986, 0.3984



35.3774, 0.2570, 0.3571

Triad

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



35.3774, 0.2986, 0.3984



35.3774, 0.2411, 0.2544



35.3774, 0.4014, 0.3379

Complementary

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



35.3774, 0.2986, 0.3984



24.3879, 0.3309, 0.2685

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.



35.3774, 0.3689, 0.3010



35.3774, 0.2986, 0.3984



35.3774, 0.2749, 0.2546

Square

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



35.3774, 0.2986, 0.3984



35.3774, 0.2259, 0.2729



35.3774, 0.3215, 0.2714



35.3774, 0.4074, 0.3755

Rectangle

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



35.3774, 0.2986, 0.3984



35.3774, 0.2377, 0.3249



35.3774, 0.3215, 0.2714



35.3774, 0.3931, 0.3252

Sweetspot

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



35.3789, 0.2986, 0.3984



70.5951, 0.3081, 0.3486



38.6862, 0.3472, 0.4101



15.2279, 0.3075, 0.3514



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.



35.3789, 0.2986, 0.3984



61.5386, 0.2959, 0.4165



36.2203, 0.2783, 0.3523



8.9692, 0.3085, 0.3468



22.0810, 0.2920, 0.5710



0.6227, 0.2756, 0.5121

Inverse Universe

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



24.3879, 0.3309, 0.2685



38.7864, 0.3360, 0.2553



23.5340, 0.3645, 0.3072



8.1153, 0.3172, 0.3118



7.7632, 0.3900, 0.1922



0.2237, 0.3653, 0.1786

Previews

White Background



This preview shows how the Yxy color 35.3774, 0.2986, 0.3984 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 35.3774, 0.2986, 0.3984 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

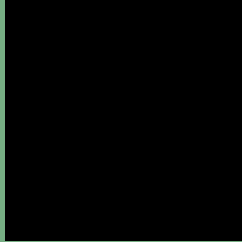
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.3774, 0.2986, 0.3984

Background



This preview shows how black text looks on a background with the Yxy color 35.3774, 0.2986, 0.3984.



This preview shows how white text looks on a background with the Yxy color 35.3774, 0.2986, 0.3984.

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

35.3774, 0.2986, 0.3984

Protanopia

35.1683, 0.3552, 0.3803

Deuteranopia

35.0508, 0.3622, 0.3557



Tritanopia

35.5219, 0.2695, 0.3092

Trichromacy



Original Color

35.3774, 0.2986, 0.3984

Protanomaly

35.0219, 0.3327, 0.3877

Deuteranomaly

34.6846, 0.3362, 0.3697

Tritanomaly

35.2697, 0.2797, 0.3399

Monochromacy



Original Color

35.3774, 0.2986, 0.3984

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

32.7307, 0.3077, 0.3544

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.3774, 0.2986, 0.3984 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(118, 173, 131)` looks like.

```
.text, #text, p{  
    color:rgb(118, 173, 131)  
}
```

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(118, 173, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 173, 131) }
```

Border

The CSS property to change the border of an element to Yxy 35.3774, 0.2986, 0.3984 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(118, 173, 131) }
```

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

```
.border{ border-color:rgb(118, 173, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 173, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 173, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 173, 131);  
box-shadow:4px 4px 4px 4px rgb(118, 173,  
131) }
```


Background

The CSS property to change the background color of an element to Yxy 35.3774, 0.2986, 0.3984 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 173, 131) }
```

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

```
.background{ background-color: rgb(118,  
173, 131) }
```

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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