

Converting Colors

$Yxy(36.0586, 0.3308, 0.4891)$

Have a look what the booklet for
Yxy(36.0586, 0.3308, 0.4891)
contains.

Yxy(35.9974, 0.3304, 0.4894)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(35.9974, 0.3304, 0.4894)

Conversions

Conversions Part 1

Format	Color
Hex	72B250
RGB	114, 178, 80
RGB Percent	45%, 70%, 31%
CMY	0.5532, 0.3019, 0.6863
CMYK	0.36, 0.00, 0.55, 0.30
HSL	99°, 39%, 51%
HSV	99°, 55%, 70%
XYZ	24.3023, 35.9974, 13.2545
YIQ	147.6920, -6.6860, -44.0460

Conversions

Conversions Part 2

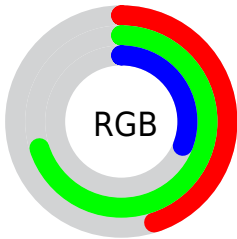
Format	Color
RYB	80, 178, 144
Decimal	7516752
CIELab	66.52, -38.33, 43.15
CIElCh	67, 57.717, 131.613
Yxy	35.9974, 0.3304, 0.4894
Android (android.graphics.Color)	4285706832 (0xFF72B250)
YUV	147.6920, -33.3722, -29.5479
Hunter-Lab	59.9978, -32.6943, 28.9004

Details

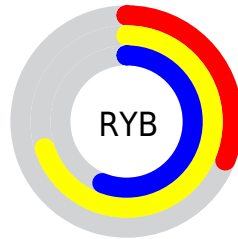
The Yxy color **35.9974, 0.3304, 0.4894** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **14.8854, 0.2763, 0.1835**, and the grayscale version is **29.6186, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.9466, 0.3299, 0.4554**, and **15.7166, 0.3266, 0.5451** is the 20% darker color. If you saturate the color by 10%, you get **35.0390, 0.3304, 0.5189**, and if you desaturate by 10%, it is **37.1279, 0.3289, 0.4581**.

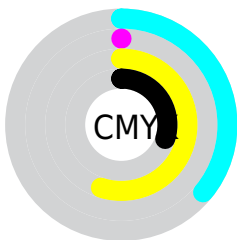
Distribution



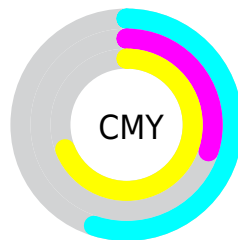
- Red (45%)
- Green (70%)
- Blue (31%)



- Red (31%)
- Yellow (70%)
- Blue (56%)



- Cyan (36%)
- Magenta (0%)
- Yellow (55%)
- Black (30%)



- Cyan (55%)
- Magenta (30%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.9974, 0.3304, 0.4894 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 35.9974, 0.3304, 0.4894 by changing the saturation by 10% instead.

 35.9974, 0.3304,
0.4894


 35.9974, 0.3304,
0.4894


328.9492, 0.3255,
0.4014


 24.4322, 0.3296,
0.5134


 69.0281, 0.3299,
0.4558


 15.6545, 0.3270,
0.5451


 91.2623, 0.3293,
0.4436

 9.2800, 0.3203,
0.5879


 117.8216, 0.3287,
0.4335

 4.9243, 0.3120,
0.6637

 149.0905, 0.3280,
0.4250

 2.2029, 0.2670,
0.7330

 185.4533, 0.3273,
0.4178

 0.7216, 0.0000,
1.0000

227.2944, 0.3267,

 0.0000, 0.0000,

0.4116

0.0000

274.9983, 0.3261,
0.4062

■ 35.9974, 0.3304,
0.4894

■ 35.9974, 0.3304,
0.4894

■ 35.0390, 0.3304,
0.5189

■ 37.1279, 0.3289,
0.4581

■ 34.2386, 0.3289,
0.5448

■ 38.4342, 0.3263,
0.4265

■ 33.5874, 0.3256,
0.5654

■ 39.9260, 0.3229,
0.3961

■ 33.0731, 0.3210,
0.5796

■ 41.6106, 0.3190,
0.3675

■ 32.8594, 0.3186,
0.5852

■ 43.4949, 0.3149,
0.3413

■ 45.5855, 0.3106,
0.3176

■ 47.8887, 0.3065,
0.2965

■ 50.4106, 0.3024,
0.2777

■ 53.1568, 0.2986,
0.2611

Harmonies

Analogous

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



35.9974, 0.4100, 0.4765



35.9974, 0.3304, 0.4894



35.9974, 0.2505, 0.4352

Triad

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



35.9974, 0.3304, 0.4894



35.9974, 0.1726, 0.2126



35.9974, 0.4453, 0.3009

Complementary

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



35.9974, 0.3304, 0.4894



14.8854, 0.2763, 0.1835

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.



35.9974, 0.3631, 0.2486



35.9974, 0.3304, 0.4894



35.9974, 0.2086, 0.1993

Square

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



35.9974, 0.3304, 0.4894



35.9974, 0.1665, 0.2583



35.9974, 0.2748, 0.2127



35.9974, 0.4847, 0.3617

Rectangle

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



35.9974, 0.3304, 0.4894



35.9974, 0.2081, 0.3724



35.9974, 0.2748, 0.2127



35.9974, 0.4210, 0.2822

Sweetspot

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



35.9989, 0.3304, 0.4894



74.7339, 0.3199, 0.3737



29.9030, 0.4163, 0.4186



16.4207, 0.3207, 0.3793



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



35.9989, 0.3304, 0.4894



63.2059, 0.3303, 0.5246



34.3718, 0.2959, 0.4779



9.6285, 0.3167, 0.3522



23.5394, 0.3194, 0.5846



0.7738, 0.3430, 0.5659

Inverse Universe

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



14.8854, 0.2763, 0.1835



20.9894, 0.2654, 0.1549



17.8580, 0.3378, 0.2165



8.4965, 0.3084, 0.3062



5.0092, 0.2365, 0.1076



0.1885, 0.2607, 0.1210

Previews

White Background



This preview shows how the Yxy color 35.9974, 0.3304, 0.4894 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 35.9974, 0.3304, 0.4894 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

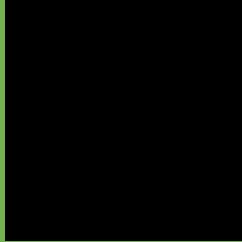
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.9974, 0.3304, 0.4894

Background



This preview shows how black text looks on a background with the Yxy color 35.9974, 0.3304, 0.4894.



This preview shows how white text looks on a background with the Yxy color 35.9974, 0.3304, 0.4894.

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

35.9974, 0.3304, 0.4894

Protanopia

35.5814, 0.4076, 0.4448

Deuteranopia

35.3409, 0.4231, 0.4138



Tritanopia

35.7195, 0.2703, 0.3078

Trichromacy



Original Color

35.9974, 0.3304, 0.4894

Protanomaly

35.1418, 0.3768, 0.4617

Deuteranomaly

34.6962, 0.3873, 0.4412

Tritanomaly

35.4245, 0.2935, 0.3726

Monochromacy



Original Color

35.9974, 0.3304, 0.4894

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

31.4606, 0.3225, 0.3883

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.9974, 0.3304, 0.4894 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(114, 178, 80)` looks like.

```
.text, #text, p{  
    color:rgb(114, 178, 80)  
}
```

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(114, 178, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 178, 80) }
```

Border

The CSS property to change the border of an element to Yxy 35.9974, 0.3304, 0.4894 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(114, 178, 80) }
```

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

```
.border{ border-color:rgb(114, 178, 80) }
```

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

Here you see how a box with a 4 pixel rgb(114, 178, 80) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 178, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 178, 80);  
box-shadow:4px 4px 4px 4px rgb(114, 178,  
80) }
```


Background

The CSS property to change the background color of an element to Yxy 35.9974, 0.3304, 0.4894 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 178, 80) }
```

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

```
.background{ background-color: rgb(114,  
178, 80) }
```

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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