

Converting Colors

$Yxy(30.6010, 0.3186, 0.4963)$

Have a look what the booklet for
Yxy(30.6010, 0.3186, 0.4963)
contains.

| | |
|---|----|
| Yxy(30.4590, 0.3189, 0.4964) | 3 |
| Conversions | 4 |
| Details | 6 |
| Harmonies | 12 |
| Previews | 24 |
| Color Blindness Simulation | 27 |
| CSS Examples | 30 |

Color

Yxy(30.4590, 0.3189, 0.4964)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 5DA74A |
| RGB | 93, 167, 74 |
| RGB Percent | 36%, 65%, 29% |
| CMY | 0.6354, 0.3451, 0.7096 |
| CMYK | 0.44, 0.00, 0.56, 0.35 |
| HSL | 108°, 39%, 47% |
| HSV | 108°, 56%, 65% |
| XYZ | 19.5676, 30.4590, 11.3332 |
| YIQ | 134.2720, -14.2510, -44.6110 |

Conversions

Conversions Part 2

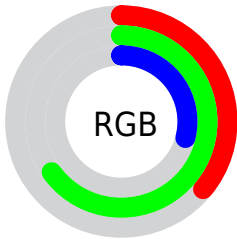
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 74, 167, 148 |
| Decimal | 6137674 |
| CIELab | 62.05, -41.18, 40.49 |
| CIELCh | 62, 57.748, 135.485 |
| Yxy | 30.4590, 0.3189, 0.4964 |
| Android (android.graphics.Color) | 4284327754 (0xFF5DA74A) |
| YUV | 134.2720, -29.7141, -36.1955 |
| Hunter-Lab | 55.1897, -33.2943, 26.4576 |

Details

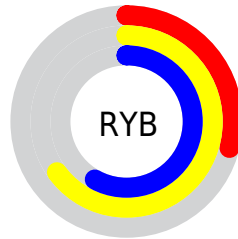
The Yxy color **30.4590, 0.3189, 0.4964** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **13.9964, 0.2935, 0.1897**, and the grayscale version is **24.0603, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.5519, 0.3212, 0.4597**, and **12.4898, 0.3113, 0.5606** is the 20% darker color. If you saturate the color by 10%, you get **29.6297, 0.3177, 0.5275**, and if you desaturate by 10%, it is **31.4714, 0.3191, 0.4634**.

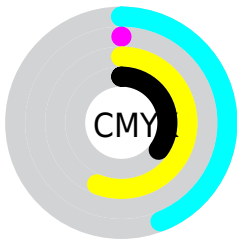
Distribution



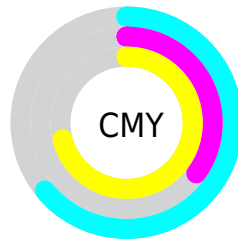
- Red (36%)
- Green (65%)
- Blue (29%)



- Red (29%)
- Yellow (65%)
- Blue (58%)



- Cyan (44%)
- Magenta (0%)
- Yellow (56%)
- Black (35%)




- Cyan (64%)
- Magenta (35%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.4590, 0.3189, 0.4964 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 30.4590, 0.3189, 0.4964 by changing the saturation by 10% instead.


 30.4590, 0.3189,
0.4964


 30.4590, 0.3189,
0.4964


304.0381, 0.3202,
0.4015


 20.1872, 0.3162,
0.5237


 60.3873, 0.3209,
0.4592

 12.5312, 0.3106,
0.5605


 80.8126, 0.3211,
0.4460

 7.1066, 0.2991,
0.6119


 105.3913, 0.3212,
0.4352

 3.5288, 0.2853,
0.7147

 134.5077, 0.3210,
0.4262

 1.4137, 0.1566,
0.8434

 168.5461, 0.3209,
0.4186

 0.2268, 0.0000,
1.0000

207.8911, 0.3206,

 0.0000, 0.0000,

0.4121

0.0000

252.9270, 0.3204,
0.4064

■ 30.4590, 0.3189,
0.4964

■ 30.4590, 0.3189,
0.4964

■ 29.6297, 0.3177,
0.5275

■ 31.4714, 0.3191,
0.4634

■ 28.9685, 0.3156,
0.5545

■ 32.6730, 0.3185,
0.4304

■ 28.4642, 0.3125,
0.5755

■ 34.0746, 0.3173,
0.3987

■ 28.1021, 0.3088,
0.5893

■ 35.6848, 0.3157,
0.3694

■ 27.9799, 0.3074,
0.5941

■ 37.5119, 0.3138,
0.3428

■ 39.5635, 0.3118,
0.3191

■ 41.8470, 0.3098,
0.2981

■ 44.3694, 0.3077,
0.2797

■ 47.1375, 0.3058,
0.2636

Harmonies

Analogous

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



30.4590, 0.4037, 0.4889



30.4590, 0.3189, 0.4964



30.4590, 0.2370, 0.4301

Triad

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



30.4590, 0.3189, 0.4964



30.4590, 0.1693, 0.2032



30.4590, 0.4615, 0.3067

Complementary

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



30.4590, 0.3189, 0.4964



13.9964, 0.2935, 0.1897

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.



30.4590, 0.3781, 0.2508



30.4590, 0.3189, 0.4964



30.4590, 0.2106, 0.1937

Square

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



30.4590, 0.3189, 0.4964



30.4590, 0.1589, 0.2456



30.4590, 0.2835, 0.2109



30.4590, 0.4949, 0.3703

Rectangle

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



30.4590, 0.3189, 0.4964



30.4590, 0.1956, 0.3610



30.4590, 0.2835, 0.2109



30.4590, 0.4377, 0.2869

Sweetspot

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



30.4603, 0.3189, 0.4964



63.4042, 0.3160, 0.3740



29.5363, 0.4066, 0.4353



14.0613, 0.3163, 0.3795



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



30.4603, 0.3189, 0.4964



52.7309, 0.3173, 0.5348



30.0247, 0.2876, 0.4553



8.4786, 0.3146, 0.3521



21.4262, 0.3079, 0.5937



0.5413, 0.3294, 0.5766

Inverse Universe

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



13.9964, 0.2935, 0.1897



20.1584, 0.2872, 0.1639



15.0324, 0.3567, 0.2314



7.5884, 0.3106, 0.3065



5.9716, 0.2707, 0.1265



0.1643, 0.2884, 0.1362

Previews

White Background



This preview shows how the Yxy color 30.4590, 0.3189, 0.4964 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 30.4590, 0.3189, 0.4964 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 30.4590, 0.3189, 0.4964

Background



This preview shows how black text looks on a background with the Yxy color 30.4590, 0.3189, 0.4964.



This preview shows how white text looks on a background with the Yxy color 30.4590, 0.3189, 0.4964.

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

30.4590, 0.3189, 0.4964

Protanopia

29.9116, 0.4074, 0.4463

Deuteranopia

29.8852, 0.4213, 0.4134



Tritanopia

30.3957, 0.2618, 0.3077

Trichromacy



Original Color

30.4590, 0.3189, 0.4964

Protanomaly

29.7081, 0.3715, 0.4669

Deuteranomaly

29.1673, 0.3808, 0.4439

Tritanomaly

30.1821, 0.2834, 0.3747

Monochromacy



Original Color

30.4590, 0.3189, 0.4964

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

25.6496, 0.3170, 0.3907

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.4590, 0.3189, 0.4964 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(93, 167, 74)` looks like.

```
.text, #text, p{  
    color:rgb(93, 167, 74)  
}
```

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(93, 167, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 167, 74) }
```

Border

The CSS property to change the border of an element to Yxy 30.4590, 0.3189, 0.4964 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(93, 167, 74) }
```

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

```
.border{ border-color:rgb(93, 167, 74) }
```

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

Here you see how a box with a 4 pixel rgb(93, 167, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 167, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 167, 74);  
box-shadow:4px 4px 4px 4px rgb(93, 167,  
74) }
```


Background

The CSS property to change the background color of an element to Yxy 30.4590, 0.3189, 0.4964 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 167, 74) }
```

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

```
.background{ background-color: rgb(93, 167,  
74) }
```

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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