

Converting Colors

$Yxy(30.7467, 0.3098, 0.5153)$

Have a look what the booklet for
Yxy(30.7467, 0.3098, 0.5153)
contains.

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Color

Yxy(30.7446, 0.3098, 0.5154)

Conversions

Conversions Part 1

Format	Color
Hex	4DAA44
RGB	77, 170, 68
RGB Percent	30%, 67%, 27%
CMY	0.6979, 0.3333, 0.7334
CMYK	0.55, 0.00, 0.60, 0.33
HSL	115°, 43%, 47%
HSV	115°, 60%, 67%
XYZ	18.4802, 30.7446, 10.4272
YIQ	130.5650, -22.6860, -51.4380

Conversions

Conversions Part 2

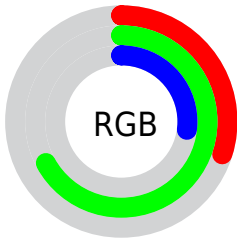
Format	Color
RYB	68, 170, 161
Decimal	5089860
CIELab	62.29, -47.80, 43.48
CIElCh	62, 64.619, 137.708
Yxy	30.7446, 0.3098, 0.5154
Android (android.graphics.Color)	4283279940 (0xFF4DAA44)
YUV	130.5650, -30.8445, -46.9765
Hunter-Lab	55.4478, -37.5415, 27.6638

Details

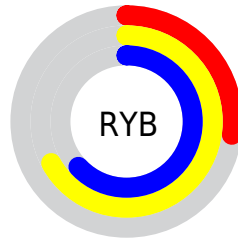
The Yxy color **30.7446, 0.3098, 0.5154** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **14.6084, 0.3070, 0.1868**, and the grayscale version is **22.6546, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.7930, 0.3148, 0.4742**, and **12.7543, 0.2964, 0.5869** is the 20% darker color. If you saturate the color by 10%, you get **29.9978, 0.3081, 0.5458**, and if you desaturate by 10%, it is **31.7077, 0.3112, 0.4817**.

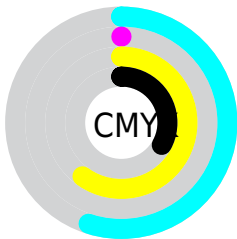
Distribution



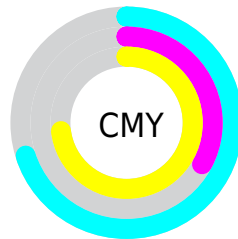
- Red (30%)
- Green (67%)
- Blue (27%)



- Red (27%)
- Yellow (67%)
- Blue (63%)



- Cyan (55%)
- Magenta (0%)
- Yellow (60%)
- Black (33%)




- Cyan (70%)
- Magenta (33%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.7446, 0.3098, 0.5154 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 30.7446, 0.3098, 0.5154 by changing the saturation by 10% instead.


 30.7446, 0.3098,
0.5154


 30.7446, 0.3098,
0.5154


305.3600, 0.3170,
0.4092

 20.4044, 0.3049,
0.5459


 60.8377, 0.3144,
0.4737


 12.6894, 0.2962,
0.5870


 81.3595, 0.3155,
0.4590

 7.2150, 0.2799,
0.6441


 106.0440, 0.3161,
0.4469

 3.5969, 0.2541,
0.7459

 135.2755, 0.3165,
0.4368

 1.4507, 0.0802,
0.9198

 169.4384, 0.3168,
0.4283

 0.2537, 0.0000,
1.0000

208.9172, 0.3169,

 0.0000, 0.0000,

0.4210

0.0000

254.0963, 0.3170,
0.4147

■ 30.7446, 0.3098,
0.5154

■ 30.7446, 0.3098,
0.5154

■ 29.9978, 0.3081,
0.5458

■ 31.7077, 0.3112,
0.4817

■ 29.4469, 0.3060,
0.5706

■ 32.8980, 0.3121,
0.4472

■ 29.0744, 0.3039,
0.5879

■ 34.3300, 0.3127,
0.4137

■ 28.8517, 0.3022,
0.5983

■ 36.0163, 0.3129,
0.3825

■ 37.9682, 0.3129,
0.3542

■ 40.1967, 0.3127,
0.3290

■ 42.7118, 0.3124,
0.3070

■ 45.5234, 0.3120,
0.2878

■ 48.6406, 0.3116,
0.2712

Harmonies

Analogous

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



30.7446, 0.4032, 0.5078



30.7446, 0.3098, 0.5154



30.7446, 0.2221, 0.4349

Triad

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



30.7446, 0.3098, 0.5154



30.7446, 0.1588, 0.1893



30.7446, 0.4834, 0.3077

Complementary

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



30.7446, 0.3098, 0.5154



14.6084, 0.3070, 0.1868

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.



30.7446, 0.3929, 0.2471



30.7446, 0.3098, 0.5154



30.7446, 0.2053, 0.1822

Square

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



30.7446, 0.3098, 0.5154



30.7446, 0.1451, 0.2308



30.7446, 0.2868, 0.2028



30.7446, 0.5139, 0.3759

Rectangle

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



30.7446, 0.3098, 0.5154



30.7446, 0.1794, 0.3549



30.7446, 0.2868, 0.2028



30.7446, 0.4583, 0.2863

Sweetspot

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



30.7459, 0.3098, 0.5154



65.9079, 0.3129, 0.3775



34.0355, 0.4040, 0.4560



14.4879, 0.3129, 0.3859



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.



30.7459, 0.3098, 0.5154



54.0597, 0.3074, 0.5548



31.0779, 0.2788, 0.4442



8.4383, 0.3129, 0.3522



21.2348, 0.3025, 0.5980



0.5262, 0.3135, 0.5893

Inverse Universe

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



14.6084, 0.3070, 0.1868



22.0898, 0.3046, 0.1648



14.2694, 0.3815, 0.2407



7.6323, 0.3124, 0.3066



7.2688, 0.2991, 0.1421



0.1863, 0.3068, 0.1464

Previews

White Background



This preview shows how the Yxy color 30.7446, 0.3098, 0.5154 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 30.7446, 0.3098, 0.5154 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 30.7446, 0.3098, 0.5154

Background



This preview shows how black text looks on a background with the Yxy color 30.7446, 0.3098, 0.5154.



This preview shows how white text looks on a background with the Yxy color 30.7446, 0.3098, 0.5154.

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

30.7446, 0.3098, 0.5154

Protanopia

30.3760, 0.4133, 0.4530

Deuteranopia

30.0582, 0.4281, 0.4185



Tritanopia

30.4275, 0.2524, 0.3073

Trichromacy



Original Color

30.7446, 0.3098, 0.5154



Protanomaly

29.5524, 0.3696, 0.4788



Deuteranomaly

28.9573, 0.3785, 0.4547



Tritanomaly

30.1398, 0.2746, 0.3811

Monochromacy



Original Color

30.7446, 0.3098, 0.5154



Achromatopsia

22.6966, 0.3127, 0.3290



Achromatomaly

24.7130, 0.3125, 0.3984

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.7446, 0.3098, 0.5154 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(77, 170, 68)` looks like.

```
.text, #text, p{  
    color:rgb(77, 170, 68)  
}
```

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(77, 170, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 170, 68) }
```

Border

The CSS property to change the border of an element to Yxy 30.7446, 0.3098, 0.5154 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(77, 170, 68) }
```

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

```
.border{ border-color:rgb(77, 170, 68) }
```

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

Here you see how a box with a 4 pixel rgb(77, 170, 68) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 170, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 170, 68);  
box-shadow:4px 4px 4px 4px rgb(77, 170,  
68) }
```


Background

The CSS property to change the background color of an element to Yxy 30.7446, 0.3098, 0.5154 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 170, 68) }
```

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

```
.background{ background-color: rgb(77, 170,  
68) }
```

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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