

Converting Colors

$Y_{xy}(11.3496, 0.3093, 0.4677)$

Have a look what the booklet for
Yxy(11.3496, 0.3093, 0.4677)
contains.

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Color

Yxy(11.2785, 0.3098, 0.4668)

Conversions

Conversions Part 1

Format	Color
Hex	3A6937
RGB	58, 105, 55
RGB Percent	23%, 41%, 22%
CMY	0.7726, 0.5882, 0.7843
CMYK	0.45, 0.00, 0.48, 0.59
HSL	116°, 31%, 31%
HSV	116°, 48%, 41%
XYZ	7.4852, 11.2785, 5.3976
YIQ	85.2470, -11.9620, -25.5140

Conversions

Conversions Part 2

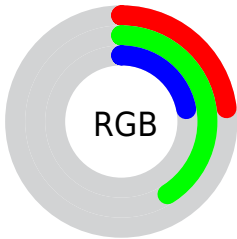
Format	Color
RYB	55, 105, 102
Decimal	3828023
CIELab	40.05, -27.26, 23.16
CIELCh	40, 35.769, 139.647
Yxy	11.2785, 0.3098, 0.4668
Android (android.graphics.Color)	4282018103 (0xFF3A6937)
YUV	85.2470, -14.9118, -23.8956
Hunter-Lab	33.5835, -18.9865, 13.9792

Details

The Yxy color **11.2785, 0.3098, 0.4668** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **6.5800, 0.3121, 0.2185**, and the grayscale version is **9.1718, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.2814, 0.3127, 0.4274**, and **2.9891, 0.2962, 0.5538** is the 20% darker color. If you saturate the color by 10%, you get **10.9207, 0.3085, 0.4999**, and if you desaturate by 10%, it is **11.7155, 0.3108, 0.4338**.

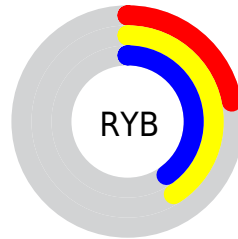
Distribution



Red (23%)

Green (41%)

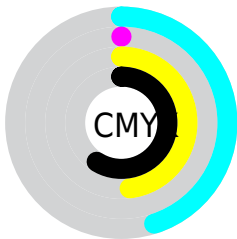
Blue (22%)



Red (22%)

Yellow (41%)

Blue (40%)

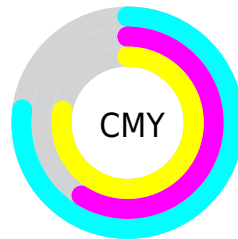


Cyan (45%)

Magenta (0%)

Yellow (48%)

Black (59%)



Cyan (77%)


Magenta (59%)

Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.2785, 0.3098, 0.4668 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 11.2785, 0.3098, 0.4668 by changing the saturation by 10% instead.


 11.2785, 0.3098,
0.4668


 11.2785, 0.3098,
0.4668


199.5684, 0.3144,
0.3777

 6.2545, 0.3055,
0.5007


 28.1740, 0.3130,
0.4273


 3.0004, 0.2963,
0.5560

 40.8143, 0.3136,
0.4149


 1.1320, 0.2570,
0.7430

 56.7622, 0.3140,
0.4052

 0.0051, 0.0000,
1.0000

 76.4019, 0.3142,
0.3975

 0.0000, 0.0000,
0.0000

 100.1181, 0.3143,
0.3912

 128.2949, 0.3143,

0.3860

161.3169, 0.3144,
0.3815

■ 11.2785, 0.3098,
0.4668

■ 11.2785, 0.3098,
0.4668

■ 10.9207, 0.3085,
0.4999

■ 11.7155, 0.3108,
0.4338

■ 10.6361, 0.3070,
0.5311

■ 12.2345, 0.3116,
0.4023

■ 10.4199, 0.3053,
0.5582


■ 12.8399, 0.3122,
0.3732


■ 10.2665, 0.3036,
0.5791


■ 13.5355, 0.3125,
0.3470

■ 10.1652, 0.3025,
0.5945


■ 14.3248, 0.3128,
0.3237

 10.1445, 0.3024,
0.5981

 15.2109, 0.3129,
0.3033

 16.1971, 0.3129,
0.2855

 17.2863, 0.3128,
0.2700

 18.4815, 0.3127,
0.2566

Harmonies

Analogous

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



11.2785, 0.3853, 0.4725



11.2785, 0.3098, 0.4668



11.2785, 0.2392, 0.4035

Triad

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



11.2785, 0.3098, 0.4668



11.2785, 0.1889, 0.2155



11.2785, 0.4482, 0.3188

Complementary

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



11.2785, 0.3098, 0.4668



6.5800, 0.3121, 0.2185

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.



11.2785, 0.3811, 0.2667



11.2785, 0.3098, 0.4668



11.2785, 0.2305, 0.2096

Square

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



11.2785, 0.3098, 0.4668



11.2785, 0.1757, 0.2502



11.2785, 0.2988, 0.2281



11.2785, 0.4714, 0.3768

Rectangle

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



11.2785, 0.3098, 0.4668



11.2785, 0.2044, 0.3453



11.2785, 0.2988, 0.2281



11.2785, 0.4297, 0.3004

Sweetspot

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



11.2790, 0.3098, 0.4668



23.3712, 0.3123, 0.3645



12.7179, 0.3817, 0.4321



5.4294, 0.3122, 0.3688



55.4222, 0.3127, 0.3290



5.9254, 0.3127, 0.3290

Same Dimension

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



11.2790, 0.3098, 0.4668



19.4947, 0.3084, 0.5032



11.4479, 0.2826, 0.4066



3.4526, 0.3125, 0.3504



12.8376, 0.3022, 0.5983



65.2816, 0.3009, 0.5993

Inverse Universe

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



6.5800, 0.3121, 0.2185



9.9656, 0.3114, 0.1962



6.3664, 0.3630, 0.2636



3.1552, 0.3128, 0.3084



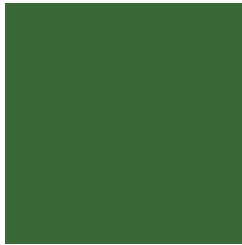
4.6278, 0.3067, 0.1463



23.4465, 0.3058, 0.1458

Previews

White Background



This preview shows how the Yxy color 11.2785, 0.3098, 0.4668 looks on a white background.

Color Contrast Check

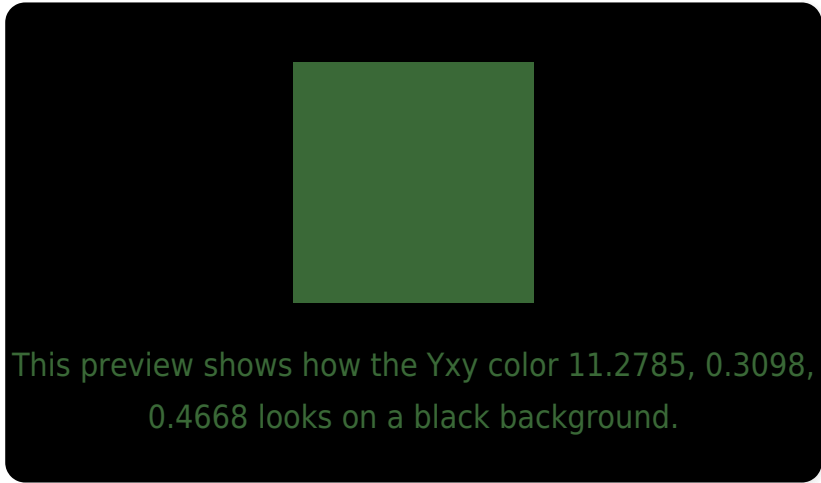
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

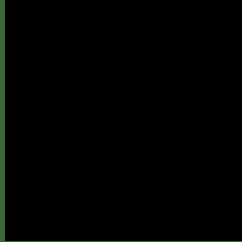
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.2785, 0.3098, 0.4668

Background



This preview shows how black text looks on a background with the Yxy color 11.2785, 0.3098, 0.4668.



This preview shows how white text looks on a background with the Yxy color 11.2785, 0.3098, 0.4668.

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

11.2785, 0.3098, 0.4668

Protanopia

11.1280, 0.3911, 0.4269

Deuteranopia

11.2055, 0.4024, 0.3961



Tritanopia

11.2142, 0.2618, 0.3090

Trichromacy



Original Color

11.2785, 0.3098, 0.4668

Protanomaly

11.0095, 0.3591, 0.4434

Deuteranomaly

10.8696, 0.3651, 0.4190

Tritanomaly

11.1019, 0.2791, 0.3633

Monochromacy



Original Color

11.2785, 0.3098, 0.4668

Achromatopsia

9.0842, 0.3127, 0.3290

Achromatomaly

9.6446, 0.3120, 0.3778

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.2785, 0.3098, 0.4668 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(58, 105, 55)` looks like.

```
.text, #text, p{  
    color:rgb(58, 105, 55)  
}
```

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(58, 105, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 105, 55) }
```

Border

The CSS property to change the border of an element to Yxy 11.2785, 0.3098, 0.4668 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(58, 105, 55) }
```

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

```
.border{ border-color:rgb(58, 105, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 105, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 105, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 105, 55);  
box-shadow:4px 4px 4px 4px rgb(58, 105,  
55) }
```


Background

The CSS property to change the background color of an element to Yxy 11.2785, 0.3098, 0.4668 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 105, 55) }
```

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

```
.background{ background-color: rgb(58, 105,  
55) }
```

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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