

Converting Colors

$Y_{xy}(11.3248, 0.3344, 0.4485)$

Have a look what the booklet for
Yxy(11.3248, 0.3344, 0.4485)
contains.

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Color

Yxy(11.3248, 0.3344, 0.4485)

Conversions

Conversions Part 1

Format	Color
Hex	4C6638
RGB	76, 102, 56
RGB Percent	30%, 40%, 22%
CMY	0.7021, 0.6000, 0.7804
CMYK	0.26, 0.00, 0.45, 0.60
HSL	94°, 29%, 31%
HSV	94°, 45%, 40%
XYZ	8.4437, 11.3248, 5.4819
YIQ	88.9820, -0.7300, -19.8180

Conversions

Conversions Part 2

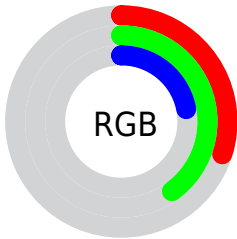
Format	Color
RYB	56, 102, 82
Decimal	5006904
CIELab	40.12, -18.80, 22.91
CIElCh	40, 29.641, 129.377
Yxy	11.3248, 0.3344, 0.4485
Android (android.graphics.Color)	4283196984 (0xFF4C6638)
YUV	88.9820, -16.2601, -11.3852
Hunter-Lab	33.6523, -14.1040, 13.8985

Details

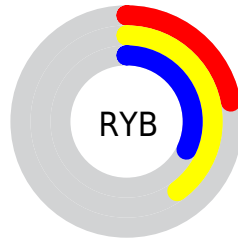
The Yxy color **11.3248, 0.3344, 0.4485** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **5.5833, 0.2791, 0.2135**, and the grayscale version is **10.0215, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.2176, 0.3305, 0.4145**, and **3.0349, 0.3374, 0.5203** is the 20% darker color. If you saturate the color by 10%, you get **11.0096, 0.3373, 0.4772**, and if you desaturate by 10%, it is **11.6826, 0.3305, 0.4197**.

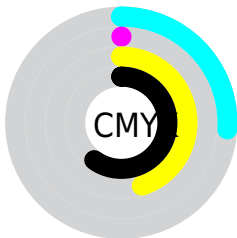
Distribution



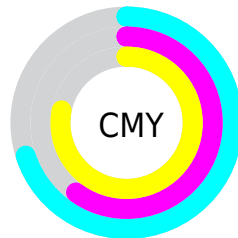
- Red (30%)
- Green (40%)
- Blue (22%)



- Red (22%)
- Yellow (40%)
- Blue (32%)



- Cyan (26%)
- Magenta (0%)
- Yellow (45%)
- Black (60%)





- Cyan (70%)
- Magenta (60%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.3248, 0.3344, 0.4485 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 11.3248, 0.3344, 0.4485 by changing the saturation by 10% instead.


 11.3248, 0.3344,
0.4485

 11.3248, 0.3344,
0.4485


199.8825, 0.3231,
0.3723


 6.2857, 0.3362,
0.4766


 28.2592, 0.3306,
0.4152


 3.0196, 0.3367,
0.5212

 40.9234, 0.3290,
0.4046


 1.1420, 0.3467,
0.6533

 56.8981, 0.3276,
0.3963

 0.0135, 0.0000,
1.0000

 76.5676, 0.3265,
0.3896

 0.0000, 0.0000,
0.0000

 100.3164, 0.3255,
0.3841

 128.5289, 0.3246,

0.3795

161.5895, 0.3238,
0.3757

■ 11.3248, 0.3344,
0.4485

■ 11.3248, 0.3344,
0.4485

■ 11.0096, 0.3373,
0.4772

■ 11.6826, 0.3305,
0.4197

■ 10.7337, 0.3388,
0.5047

■ 12.0831, 0.3258,
0.3917

■ 10.4956, 0.3387,
0.5294


■ 12.5285, 0.3207,
0.3653


■ 10.2931, 0.3368,
0.5502

■ 13.0201, 0.3154,
0.3407

■ 10.1223, 0.3335,
0.5667

■ 13.5595, 0.3101,
0.3183

 10.0462, 0.3319,
0.5746

 14.1480, 0.3049,
0.2979

 14.7868, 0.3000,
0.2796

 15.4772, 0.2952,
0.2632

 16.2204, 0.2907,
0.2485

Harmonies

Analogous

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



11.3248, 0.3951, 0.4416



11.3248, 0.3344, 0.4485



11.3248, 0.2711, 0.4111

Triad

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



11.3248, 0.3344, 0.4485



11.3248, 0.2005, 0.2408



11.3248, 0.4090, 0.3056

Complementary

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



11.3248, 0.3344, 0.4485



5.5833, 0.2791, 0.2135

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.



11.3248, 0.3467, 0.2634



11.3248, 0.3344, 0.4485



11.3248, 0.2285, 0.2266

Square

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



11.3248, 0.3344, 0.4485



11.3248, 0.1981, 0.2809



11.3248, 0.2800, 0.2353



11.3248, 0.4428, 0.3551

Rectangle

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



11.3248, 0.3344, 0.4485



11.3248, 0.2361, 0.3676



11.3248, 0.2800, 0.2353



11.3248, 0.3903, 0.2903

Sweetspot

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



11.3253, 0.3344, 0.4485



22.0258, 0.3203, 0.3635



9.0410, 0.3947, 0.3896



5.1659, 0.3212, 0.3675



53.8236, 0.3127, 0.3290



5.4972, 0.3127, 0.3290

Same Dimension

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



11.3253, 0.3344, 0.4485



19.2817, 0.3374, 0.4785



10.6538, 0.3040, 0.4528



3.1953, 0.3175, 0.3499



12.8777, 0.3310, 0.5754



66.6650, 0.3269, 0.5786

Inverse Universe

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



5.5833, 0.2791, 0.2135



7.8164, 0.2686, 0.1858



6.5680, 0.3220, 0.2303



2.8329, 0.3076, 0.3083



2.3540, 0.2196, 0.0984



11.7534, 0.2142, 0.0954

Previews

White Background



This preview shows how the Yxy color 11.3248, 0.3344, 0.4485 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



This preview shows how the Yxy color 11.3248, 0.3344, 0.4485 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

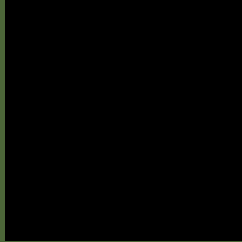
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.3248, 0.3344, 0.4485

Background



This preview shows how black text looks on a background with the Yxy color 11.3248, 0.3344, 0.4485.



This preview shows how white text looks on a background with the Yxy color 11.3248, 0.3344, 0.4485.

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

11.3248, 0.3344, 0.4485

Protanopia

11.2055, 0.3901, 0.4221

Deuteranopia

11.2055, 0.4024, 0.3961



Tritanopia

11.2042, 0.2833, 0.3097

Trichromacy



Original Color

11.3248, 0.3344, 0.4485

Protanomaly

11.1954, 0.3690, 0.4323

Deuteranomaly

11.0202, 0.3761, 0.4136

Tritanomaly

11.1290, 0.3012, 0.3568

Monochromacy



Original Color

11.3248, 0.3344, 0.4485

Achromatopsia

9.9899, 0.3127, 0.3290

Achromatomaly

10.4260, 0.3216, 0.3726

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.3248, 0.3344, 0.4485 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(76, 102, 56)` looks like.

```
.text, #text, p{  
    color:rgb(76, 102, 56)  
}
```

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(76, 102, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 102, 56) }
```

Border

The CSS property to change the border of an element to Yxy 11.3248, 0.3344, 0.4485 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(76, 102, 56) }
```

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

```
.border{ border-color:rgb(76, 102, 56) }
```

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

Here you see how a box with a 4 pixel rgb(76, 102, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 102, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 102, 56);  
box-shadow:4px 4px 4px 4px rgb(76, 102,  
56) }
```


Background

The CSS property to change the background color of an element to Yxy 11.3248, 0.3344, 0.4485 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 102, 56) }
```

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

```
.background{ background-color: rgb(76, 102,  
56) }
```

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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