

Converting Colors

$Yxy(36.5505, 0.3248, 0.4430)$

Have a look what the booklet for
Yxy(36.5505, 0.3248, 0.4430)
contains.

Yxy(36.6033, 0.3248, 0.4422)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(36.6033, 0.3248, 0.4422)

Conversions

Conversions Part 1

Format	Color
Hex	7FB06A
RGB	127, 176, 106
RGB Percent	50%, 69%, 42%
CMY	0.5018, 0.3098, 0.5843
CMYK	0.28, 0.00, 0.40, 0.31
HSL	102°, 31%, 55%
HSV	102°, 40%, 69%
XYZ	26.8855, 36.6033, 19.2867
YIQ	153.3690, -6.7340, -32.1580

Conversions

Conversions Part 2

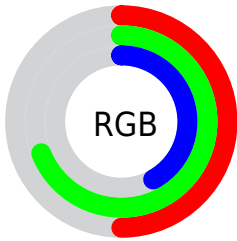
Format	Color
RYB	106, 176, 155
Decimal	8368234
CIELab	66.98, -29.45, 30.74
CIELCh	67, 42.572, 133.765
Yxy	36.6033, 0.3248, 0.4422
Android (android.graphics.Color)	4286558314 (0xFF7FB06A)
YUV	153.3690, -23.3529, -23.1256
Hunter-Lab	60.5007, -26.5538, 23.4497

Details

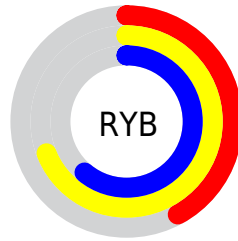
The Yxy color **36.6033, 0.3248, 0.4422** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **20.4089, 0.2927, 0.2255**, and the grayscale version is **32.1360, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.0056, 0.3237, 0.4189**, and **15.9572, 0.3243, 0.4826** is the 20% darker color. If you saturate the color by 10%, you get **35.3869, 0.3263, 0.4744**, and if you desaturate by 10%, it is **38.0134, 0.3224, 0.4107**.

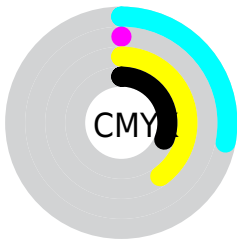
Distribution



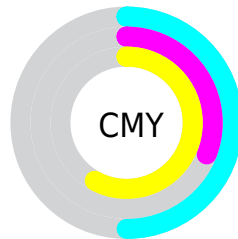
- Red (50%)
- Green (69%)
- Blue (42%)



- Red (42%)
- Yellow (69%)
- Blue (61%)



- Cyan (28%)
- Magenta (0%)
- Yellow (40%)
- Black (31%)




- Cyan (50%)
- Magenta (31%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.6033, 0.3248, 0.4422 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 36.6033, 0.3248, 0.4422 by changing the saturation by 10% instead.


 36.6033, 0.3248,
0.4422


 36.6033, 0.3248,
0.4422


331.5898, 0.3205,
0.3805

 24.9005, 0.3250,
0.4592


 69.9622, 0.3238,
0.4186

 16.0029, 0.3246,
0.4820


 92.3872, 0.3232,
0.4101

 9.5262, 0.3228,
0.5139


 119.1549, 0.3227,
0.4030

 5.0860, 0.3170,
0.5607

 150.6499, 0.3222,
0.3971

 2.2978, 0.3214,
0.6786

187.2564, 0.3217,
0.3920

 0.7725, 0.0196,
0.9804

229.3590, 0.3213,

 0.0000, 0.0000,

0.3877

0.0000

277.3420, 0.3209,
0.3839

■ 36.6033, 0.3248,
0.4422

■ 36.6033, 0.3248,
0.4422

■ 35.3869, 0.3263,
0.4744

■ 38.0134, 0.3224,
0.4107

■ 34.3508, 0.3266,
0.5057

■ 39.6208, 0.3195,
0.3808

■ 33.4871, 0.3255,
0.5343


■ 41.4346, 0.3161,
0.3533


■ 32.7851, 0.3230,
0.5584


■ 43.4621, 0.3126,
0.3284

■ 32.2331, 0.3191,
0.5763

■ 45.7101, 0.3091,
0.3062


 31.8113, 0.3145,
0.5883

 48.1854, 0.3057,
0.2864

 31.8025, 0.3144,
0.5886

 50.8940, 0.3023,
0.2690

 53.8421, 0.2992,
0.2537

 56.4147, 0.3029,
0.2485

Harmonies

Analogous

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



36.6033, 0.3853, 0.4418



36.6033, 0.3248, 0.4422



36.6033, 0.2642, 0.4001

Triad

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



36.6033, 0.3248, 0.4422



36.6033, 0.2058, 0.2396



36.6033, 0.4133, 0.3132

Complementary

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



36.6033, 0.3248, 0.4422



20.4089, 0.2927, 0.2255

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.



36.6033, 0.3555, 0.2704



36.6033, 0.3248, 0.4422



36.6033, 0.2367, 0.2291

Square

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



36.6033, 0.3248, 0.4422



36.6033, 0.1997, 0.2751



36.6033, 0.2899, 0.2405



36.6033, 0.4406, 0.3620

Rectangle

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



36.6033, 0.3248, 0.4422



36.6033, 0.2319, 0.3566



36.6033, 0.2899, 0.2405



36.6033, 0.3964, 0.2979

Sweetspot

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



36.6049, 0.3248, 0.4422



74.3150, 0.3170, 0.3598



33.3261, 0.3825, 0.3980



16.0135, 0.3174, 0.3632



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



36.6049, 0.3248, 0.4422



64.3757, 0.3262, 0.4714



35.4410, 0.2981, 0.4261



9.6098, 0.3160, 0.3522



23.3633, 0.3151, 0.5880



0.7663, 0.3379, 0.5699

Inverse Universe

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



20.4089, 0.2927, 0.2255



30.7466, 0.2865, 0.2015



22.1902, 0.3323, 0.2484



8.5159, 0.3091, 0.3062



5.4257, 0.2471, 0.1135



0.1994, 0.2686, 0.1253

Previews

White Background



This preview shows how the Yxy color 36.6033, 0.3248, 0.4422 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 36.6033, 0.3248, 0.4422 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 36.6033, 0.3248, 0.4422

Background



This preview shows how black text looks on a background with the Yxy color 36.6033, 0.3248, 0.4422.



This preview shows how white text looks on a background with the Yxy color 36.6033, 0.3248, 0.4422.

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

36.6033, 0.3248, 0.4422

Protanopia

36.1274, 0.3837, 0.4150

Deuteranopia

36.0597, 0.3963, 0.3879



Tritanopia

36.4217, 0.2781, 0.3097

Trichromacy



Original Color

36.6033, 0.3248, 0.4422

Protanomaly

35.9876, 0.3608, 0.4248

Deuteranomaly

35.8446, 0.3688, 0.4075

Tritanomaly

36.2003, 0.2957, 0.3554

Monochromacy



Original Color

36.6033, 0.3248, 0.4422

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

33.1966, 0.3185, 0.3685

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.6033, 0.3248, 0.4422 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(127, 176, 106)` looks like.

```
.text, #text, p{  
    color:rgb(127, 176, 106)  
}
```

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(127, 176, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 176, 106) }
```

Border

The CSS property to change the border of an element to Yxy 36.6033, 0.3248, 0.4422 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(127, 176, 106) }
```

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

```
.border{ border-color:rgb(127, 176, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 176, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 176, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 176, 106);  
box-shadow:4px 4px 4px 4px rgb(127, 176,  
106) }
```


Background

The CSS property to change the background color of an element to Yxy 36.6033, 0.3248, 0.4422 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 176, 106) }
```

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

```
.background{ background-color: rgb(127,  
176, 106) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor