

Converting Colors

$Yxy(38.3944, 0.3206, 0.4477)$

Have a look what the booklet for
Yxy(38.3944, 0.3206, 0.4477)
contains.

Yxy(38.3944, 0.3206, 0.4477)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(38.3944, 0.3206, 0.4477)

Conversions

Conversions Part 1

Format	Color
Hex	7CB56B
RGB	124, 181, 107
RGB Percent	49%, 71%, 42%
CMY	0.5136, 0.2902, 0.5804
CMYK	0.31, 0.00, 0.41, 0.29
HSL	106°, 33%, 56%
HSV	106°, 41%, 71%
XYZ	27.4944, 38.3944, 19.8704
YIQ	155.5210, -10.2180, -35.0980

Conversions

Conversions Part 2

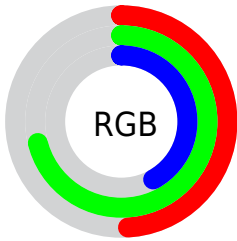
Format	Color
RYB	107, 181, 164
Decimal	8172907
CIELab	68.31, -32.73, 31.92
CIElCh	68, 45.716, 135.717
Yxy	38.3944, 0.3206, 0.4477
Android (android.graphics.Color)	4286362987 (0xFF7CB56B)
YUV	155.5210, -23.9209, -27.6439
Hunter-Lab	61.9632, -29.2314, 24.3611

Details

The Yxy color **38.3944, 0.3206, 0.4477** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **21.7381, 0.2978, 0.2241**, and the grayscale version is **33.1377, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.5366, 0.3204, 0.4233**, and **17.1215, 0.3188, 0.4892** is the 20% darker color. If you saturate the color by 10%, you get **37.0881, 0.3211, 0.4808**, and if you desaturate by 10%, it is **39.9304, 0.3193, 0.4152**.

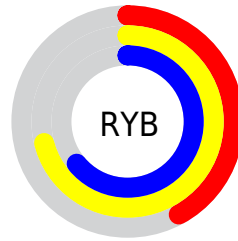
Distribution



Red (49%)

Green (71%)

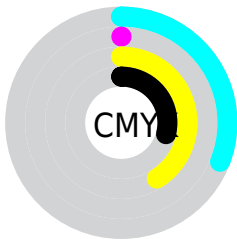
Blue (42%)



Red (42%)

Yellow (71%)

Blue (64%)

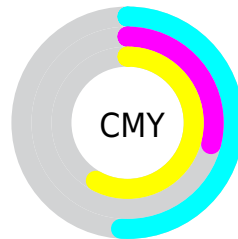


Cyan (31%)

Magenta (0%)

Yellow (41%)

Black (29%)



Cyan (51%)


Magenta (29%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.3944, 0.3206, 0.4477 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 38.3944, 0.3206, 0.4477 by changing the saturation by 10% instead.

 38.3944, 0.3206,
0.4477


 38.3944, 0.3206,
0.4477


339.3088, 0.3187,
0.3833


 26.2889, 0.3201,
0.4654


 72.7122, 0.3206,
0.4231


 17.0399, 0.3188,
0.4889


 95.6934, 0.3203,
0.4142

 10.2630, 0.3156,
0.5217


 123.0686, 0.3201,
0.4068

 5.5737, 0.3080,
0.5696

 155.2222, 0.3198,
0.4006

 2.5876, 0.3098,
0.6902

192.5387, 0.3195,
0.3953

 0.9204, 0.0758,
0.9242

235.4023, 0.3192,

 0.0000, 0.0000,

0.3908

0.0000

284.1976, 0.3190,
0.3868

■ 38.3944, 0.3206,
0.4477

■ 38.3944, 0.3206,
0.4477

■ 37.0881, 0.3211,
0.4808

■ 39.9304, 0.3193,
0.4152

■ 35.9953, 0.3206,
0.5129

■ 41.7015, 0.3175,
0.3846

■ 35.1057, 0.3189,
0.5419


■ 43.7190, 0.3153,
0.3565

■ 34.4058, 0.3161,
0.5657


■ 45.9920, 0.3129,
0.3311

■ 33.8803, 0.3124,
0.5828


■ 48.5291, 0.3105,
0.3086

 33.5320, 0.3089,
0.5930

 51.3387, 0.3080,
0.2887

 54.4286, 0.3056,
0.2713

 57.8063, 0.3033,
0.2560

 60.4823, 0.3118,
0.2556

Harmonies

Analogous

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



38.3944, 0.3849, 0.4493



38.3944, 0.3206, 0.4477



38.3944, 0.2576, 0.4003

Triad

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



38.3944, 0.3206, 0.4477



38.3944, 0.2019, 0.2335



38.3944, 0.4221, 0.3152

Complementary

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



38.3944, 0.3206, 0.4477



21.7381, 0.2978, 0.2241

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.



38.3944, 0.3623, 0.2699



38.3944, 0.3206, 0.4477



38.3944, 0.2357, 0.2243

Square

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



38.3944, 0.3206, 0.4477



38.3944, 0.1937, 0.2686



38.3944, 0.2927, 0.2377



38.3944, 0.4482, 0.3663

Rectangle

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



38.3944, 0.3206, 0.4477



38.3944, 0.2248, 0.3533



38.3944, 0.2927, 0.2377



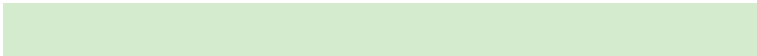
38.3944, 0.4049, 0.2991

Sweetspot

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



38.3960, 0.3206, 0.4477



77.8021, 0.3156, 0.3600



37.3391, 0.3816, 0.4079



16.7126, 0.3159, 0.3635



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



38.3960, 0.3206, 0.4477



66.6580, 0.3211, 0.4773



37.6971, 0.2934, 0.4190



9.5814, 0.3150, 0.3523



23.1441, 0.3095, 0.5924



0.7547, 0.3298, 0.5763

Inverse Universe

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



21.7381, 0.2978, 0.2241



32.7501, 0.2933, 0.2015



22.9207, 0.3406, 0.2537



8.5461, 0.3102, 0.3063



6.1343, 0.2640, 0.1228



0.2172, 0.2808, 0.1320

Previews

White Background



This preview shows how the Yxy color 38.3944, 0.3206, 0.4477 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 38.3944, 0.3206, 0.4477 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

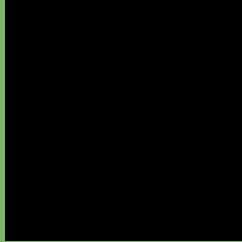
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.3944, 0.3206, 0.4477

Background



This preview shows how black text looks on a background with the Yxy color 38.3944, 0.3206, 0.4477.



This preview shows how white text looks on a background with the Yxy color 38.3944, 0.3206, 0.4477.

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

38.3944, 0.3206, 0.4477

Protanopia

38.0358, 0.3856, 0.4185

Deuteranopia

38.1082, 0.3982, 0.3904



Tritanopia

38.3262, 0.2735, 0.3099

Trichromacy



Original Color

38.3944, 0.3206, 0.4477

Protanomaly

37.5787, 0.3600, 0.4294

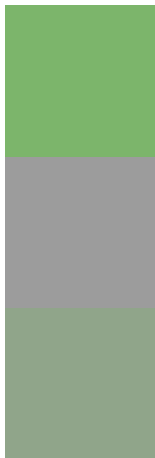
Deuteranomaly

37.5339, 0.3681, 0.4106

Tritanomaly

37.9998, 0.2903, 0.3567

Monochromacy



Original Color

38.3944, 0.3206, 0.4477

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

34.6745, 0.3163, 0.3713

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.3944, 0.3206, 0.4477 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(124, 181, 107)` looks like.

```
.text, #text, p{  
    color:rgb(124, 181, 107)  
}
```

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(124, 181, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 181, 107) }
```

Border

The CSS property to change the border of an element to Yxy 38.3944, 0.3206, 0.4477 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(124, 181, 107) }
```

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

```
.border{ border-color:rgb(124, 181, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 181, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 181, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 181, 107);  
box-shadow:4px 4px 4px 4px rgb(124, 181,  
107) }
```


Background

The CSS property to change the background color of an element to Yxy 38.3944, 0.3206, 0.4477 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 181, 107) }
```

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

```
.background{ background-color: rgb(124,  
181, 107) }
```

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