

Converting Colors

$Yxy(44.6896, 0.3677, 0.4332)$

Have a look what the booklet for
Yxy(44.6896, 0.3677, 0.4332)
contains.

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Color

Yxy(44.6896, 0.3677, 0.4332)

Conversions

Conversions Part 1

Format	Color
Hex	B1B86B
RGB	177, 184, 107
RGB Percent	69%, 72%, 42%
CMY	0.3057, 0.2785, 0.5803
CMYK	0.04, 0.00, 0.42, 0.28
HSL	65°, 35%, 57%
HSV	65°, 42%, 72%
XYZ	37.9325, 44.6896, 20.5395
YIQ	173.1290, 20.5450, -25.4310

Conversions

Conversions Part 2

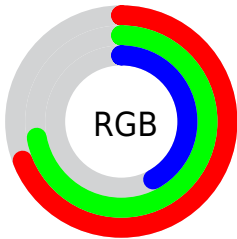
Format	Color
RYB	107, 184, 114
Decimal	11647083
CIELab	72.69, -14.15, 38.21
CIELCh	73, 40.741, 110.319
Yxy	44.6896, 0.3677, 0.4332
Android (android.graphics.Color)	4289837163 (0xFFB1B86B)
YUV	173.1290, -32.6016, 3.3949
Hunter-Lab	66.8503, -15.7026, 28.5786

Details

The Yxy color $44.6896, 0.3677, 0.4332$ is a light color, and the websafe version is hex `CCCC66`. A complement of this color would be $17.5538, 0.2423, 0.2040$, and the grayscale version is $42.0242, 0.3127, 0.3290$.

A 20% lighter version of the original color is $82.3507, 0.3587, 0.4135$, and $20.7390, 0.3805, 0.4636$ is the 20% darker color. If you saturate the color by 10%, you get $44.1505, 0.3790, 0.4561$, and if you desaturate by 10%, it is $45.3175, 0.3551, 0.4086$.

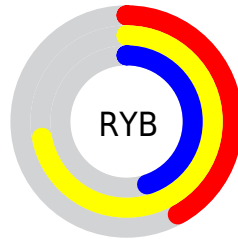
Distribution



Red (69%)

Green (72%)

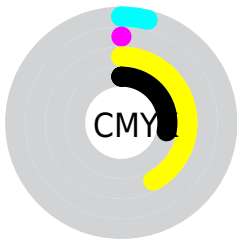
Blue (42%)



Red (42%)

Yellow (72%)

Blue (45%)

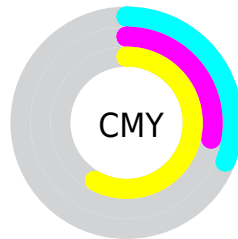


Cyan (4%)

Magenta (0%)

Yellow (42%)

Black (28%)



Cyan (31%)


Magenta (28%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.6896, 0.3677, 0.4332 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 44.6896, 0.3677, 0.4332 by changing the saturation by 10% instead.


 44.6896, 0.3677,
0.4332


 44.6896, 0.3677,
0.4332


365.5150, 0.3417,
0.3801

 31.2130, 0.3734,
0.4464


 82.2544, 0.3588,
0.4138

 20.7611, 0.3801,
0.4632


 107.1114, 0.3553,
0.4066

 12.9495, 0.3878,
0.4849


 136.5307, 0.3522,
0.4004

 7.3938, 0.3959,
0.5136

 170.8967, 0.3496,
0.3952

 3.7096, 0.4173,
0.5729

210.5937, 0.3472,
0.3906

 1.5125, 0.3976,
0.6024

256.0061, 0.3452,

 0.2975, 0.0000,

0.3867

1.0000

307.5184, 0.3434,
0.3832

0.0000, 0.0000,
0.0000

44.6896, 0.3677,
0.4332

44.6896, 0.3677,
0.4332

44.1505, 0.3790,
0.4561

45.3175, 0.3551,
0.4086

43.6889, 0.3886,
0.4764

46.0331, 0.3418,
0.3832

43.3008, 0.3960,
0.4930


46.8426, 0.3284,
0.3579


42.9797, 0.4008,
0.5055


47.7504, 0.3151,
0.3334

42.7174, 0.4031,
0.5136


48.7602, 0.3023,
0.3101

 42.5339, 0.4036,
0.5178

 49.8759, 0.2903,
0.2883

 51.1007, 0.2790,
0.2682

 52.4382, 0.2686,
0.2498

 52.7050, 0.2693,
0.2493

Harmonies

Analogous

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



44.6896, 0.4110, 0.4100



44.6896, 0.3677, 0.4332



44.6896, 0.3119, 0.4242

Triad

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



44.6896, 0.3677, 0.4332



44.6896, 0.2094, 0.2721



44.6896, 0.3639, 0.2837

Complementary

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



44.6896, 0.3677, 0.4332



17.5538, 0.2423, 0.2040

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.



44.6896, 0.3049, 0.2533



44.6896, 0.3677, 0.4332



44.6896, 0.2200, 0.2444

Square

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



44.6896, 0.3677, 0.4332



44.6896, 0.2226, 0.3212



44.6896, 0.2532, 0.2389



44.6896, 0.4109, 0.3248

Rectangle

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



44.6896, 0.3677, 0.4332



44.6896, 0.2754, 0.3979



44.6896, 0.2532, 0.2389



44.6896, 0.3445, 0.2721

Sweetspot

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



44.6916, 0.3677, 0.4332



84.7089, 0.3302, 0.3614



23.1573, 0.4147, 0.3385



18.1899, 0.3332, 0.3669



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



44.6916, 0.3677, 0.4332



80.1327, 0.3780, 0.4539



40.8367, 0.3329, 0.4464



10.4610, 0.3250, 0.3517



29.3323, 0.4038, 0.5176



1.0462, 0.4080, 0.5142

Inverse Universe

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



17.5538, 0.2423, 0.2040



24.4701, 0.2241, 0.1730



20.6459, 0.2814, 0.2164



8.7573, 0.2998, 0.3055



2.4789, 0.1535, 0.0619



0.1004, 0.1668, 0.0692

Previews

White Background



This preview shows how the Yxy color 44.6896, 0.3677, 0.4332 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 44.6896, 0.3677, 0.4332 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

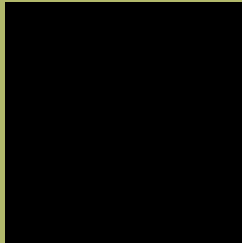
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.6896, 0.3677, 0.4332

Background



This preview shows how black text looks on a background with the Yxy color 44.6896, 0.3677, 0.4332.



This preview shows how white text looks on a background with the Yxy color 44.6896, 0.3677, 0.4332.

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

44.6896, 0.3677, 0.4332

Protanopia

44.4628, 0.3894, 0.4225

Deuteranopia

44.3223, 0.4093, 0.4013



Tritanopia

44.4677, 0.3127, 0.3110

Trichromacy



Original Color

44.6896, 0.3677, 0.4332

Protanomaly

44.3745, 0.3808, 0.4261

Deuteranomaly

44.1816, 0.3937, 0.4124

Tritanomaly

44.4113, 0.3329, 0.3545

Monochromacy



Original Color

44.6896, 0.3677, 0.4332

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

42.6129, 0.3332, 0.3679

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.6896, 0.3677, 0.4332 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(177, 184, 107)` looks like.

```
.text, #text, p{  
    color:rgb(177, 184, 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(177, 184, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 184, 107) }
```

Border

The CSS property to change the border of an element to Yxy 44.6896, 0.3677, 0.4332 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(177, 184, 107) }
```

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

```
.border{ border-color:rgb(177, 184, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 184, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 184, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 184, 107);  
box-shadow:4px 4px 4px 4px rgb(177, 184,  
107) }
```


Background

The CSS property to change the background color of an element to Yxy 44.6896, 0.3677, 0.4332 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 184, 107) }
```

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

```
.background{ background-color: rgb(177,  
184, 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](#).

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