

Converting Colors

$Yxy(40.6411, 0.3118, 0.4177)$

Have a look what the booklet for
Yxy(40.6411, 0.3118, 0.4177)
contains.

Yxy(40.6386, 0.3117, 0.4177)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(40.6386, 0.3117, 0.4177)

Conversions

Conversions Part 1

Format	Color
Hex	83B87F
RGB	131, 184, 127
RGB Percent	51%, 72%, 50%
CMY	0.4865, 0.2784, 0.5019
CMYK	0.29, 0.00, 0.31, 0.28
HSL	116°, 29%, 61%
HSV	116°, 31%, 72%
XYZ	30.3257, 40.6386, 26.3270
YIQ	161.6550, -13.2910, -28.9630

Conversions

Conversions Part 2

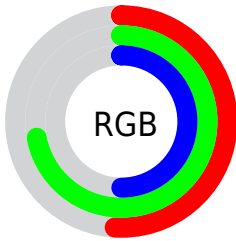
Format	Color
RYB	127, 184, 180
Decimal	8632447
CIELab	69.92, -28.69, 23.54
CIELCh	70, 37.116, 140.630
Yxy	40.6386, 0.3117, 0.4177
Android (android.graphics.Color)	4286822527 (0xFF83B87F)
YUV	161.6550, -17.0849, -26.8844
Hunter-Lab	63.7484, -26.6456, 20.1381

Details

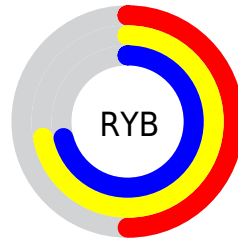
The Yxy color **40.6386, 0.3117, 0.4177** is a dark color, and the websafe version is hex **99CC99**. A complement of this color would be **28.3548, 0.3121, 0.2522**, and the grayscale version is **36.0438, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.9298, 0.3126, 0.3995**, and **18.4307, 0.3091, 0.4493** is the 20% darker color. If you saturate the color by 10%, you get **38.9475, 0.3109, 0.4518**, and if you desaturate by 10%, it is **42.6468, 0.3123, 0.3859**.

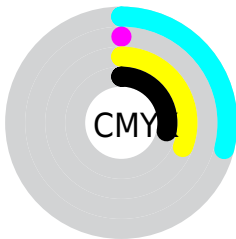
Distribution



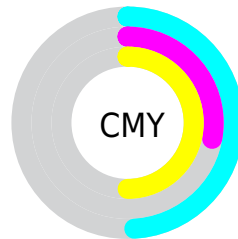
- Red (51%)
- Green (72%)
- Blue (50%)



- Red (50%)
- Yellow (72%)
- Blue (71%)



- Cyan (29%)
- Magenta (0%)
- Yellow (31%)
- Black (28%)





- Cyan (49%)
- Magenta (28%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.6386, 0.3117, 0.4177 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 40.6386, 0.3117, 0.4177 by changing the saturation by 10% instead.


 40.6386, 0.3117,
0.4177


 40.6386, 0.3117,
0.4177


348.8079, 0.3134,
0.3702

 28.0368, 0.3108,
0.4306


 76.1350, 0.3127,
0.3997

 18.3534, 0.3092,
0.4478


 99.7983, 0.3129,
0.3932

 11.2040, 0.3065,
0.4717


 127.9177, 0.3131,
0.3877

 6.2042, 0.3013,
0.5071

160.8774, 0.3132,
0.3831

 2.9697, 0.2906,
0.5655

199.0619, 0.3133,
0.3792

 1.1159, 0.2354,
0.7646


242.8555, 0.3134,


 0.0000, 0.0000,

0.3758


0.0000


292.6427, 0.3134,
0.3728


 40.6386, 0.3117,
0.4177


 40.6386, 0.3117,
0.4177


 38.9475, 0.3109,
0.4518

 42.6468, 0.3123,
0.3859

 37.5526, 0.3097,
0.4867


 44.9818, 0.3126,
0.3570


 36.4383, 0.3082,
0.5205


 47.6591, 0.3127,
0.3313


 35.5854, 0.3065,
0.5506


 50.6918, 0.3127,
0.3089

 34.9727, 0.3046,
0.5745

 54.0921, 0.3126,
0.2894

 34.5751, 0.3027,
0.5905

 57.8718, 0.3124,
0.2726

 34.3700, 0.3015,
0.5988

 61.9894, 0.3128,
0.2588

 62.7666, 0.3160,
0.2595

Harmonies

Analogous

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



40.6386, 0.3644, 0.4270



40.6386, 0.3117, 0.4177



40.6386, 0.2618, 0.3764

Triad

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



40.6386, 0.3117, 0.4177



40.6386, 0.2252, 0.2489



40.6386, 0.4053, 0.3258

Complementary

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



40.6386, 0.3117, 0.4177



28.3548, 0.3121, 0.2522

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.



40.6386, 0.3615, 0.2866



40.6386, 0.3117, 0.4177



40.6386, 0.2571, 0.2437

Square

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



40.6386, 0.3117, 0.4177



40.6386, 0.2149, 0.2753



40.6386, 0.3061, 0.2575



40.6386, 0.4213, 0.3684

Rectangle

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



40.6386, 0.3117, 0.4177



40.6386, 0.2366, 0.3398



40.6386, 0.3061, 0.2575



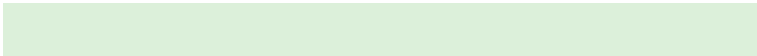
40.6386, 0.3932, 0.3120

Sweetspot

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



40.6403, 0.3117, 0.4177



82.3683, 0.3126, 0.3520



44.0704, 0.3605, 0.3994



17.6131, 0.3126, 0.3559



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.



40.6403, 0.3117, 0.4177



71.5605, 0.3112, 0.4402



41.0260, 0.2915, 0.3801



10.0890, 0.3126, 0.3525



23.6956, 0.3018, 0.5986



0.8454, 0.3090, 0.5928

Inverse Universe

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



28.3548, 0.3121, 0.2522



45.8303, 0.3117, 0.2360



27.9205, 0.3419, 0.2831



9.1303, 0.3127, 0.3064



8.3869, 0.3039, 0.1448



0.3052, 0.3085, 0.1473

Previews

White Background



This preview shows how the Yxy color 40.6386, 0.3117, 0.4177 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 40.6386, 0.3117, 0.4177 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

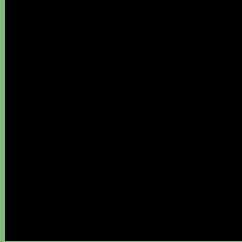
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.6386, 0.3117, 0.4177

Background



This preview shows how black text looks on a background with the Yxy color 40.6386, 0.3117, 0.4177.



This preview shows how white text looks on a background with the Yxy color 40.6386, 0.3117, 0.4177.

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

40.6386, 0.3117, 0.4177

Protanopia

40.1972, 0.3683, 0.3963

Deuteranopia

40.1124, 0.3791, 0.3708



Tritanopia

40.5192, 0.2743, 0.3090

Trichromacy



Original Color

40.6386, 0.3117, 0.4177

Protanomaly

39.9825, 0.3461, 0.4045

Deuteranomaly

39.8515, 0.3521, 0.3868

Tritanomaly

40.4335, 0.2880, 0.3468

Monochromacy



Original Color

40.6386, 0.3117, 0.4177

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

37.4987, 0.3130, 0.3605

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.6386, 0.3117, 0.4177 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(131, 184, 127)` looks like.

```
.text, #text, p{  
    color:rgb(131, 184, 127)  
}
```

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(131, 184, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 184, 127) }
```

Border

The CSS property to change the border of an element to Yxy 40.6386, 0.3117, 0.4177 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(131, 184, 127) }
```

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

```
.border{ border-color:rgb(131, 184, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 184, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 184, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 184, 127);  
box-shadow:4px 4px 4px 4px rgb(131, 184,  
127) }
```


Background

The CSS property to change the background color of an element to Yxy 40.6386, 0.3117, 0.4177 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 184, 127) }
```

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

```
.background{ background-color: rgb(131,  
184, 127) }
```

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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