

Converting Colors

$Yxy(40.2604, 0.2842, 0.4025)$

Have a look what the booklet for
Yxy(40.2604, 0.2842, 0.4025)
contains.

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Color

Yxy(40.1667, 0.2842, 0.4015)

Conversions

Conversions Part 1

Format	Color
Hex	6BBA8D
RGB	107, 186, 141
RGB Percent	42%, 73%, 55%
CMY	0.5802, 0.2706, 0.4472
CMYK	0.42, 0.00, 0.24, 0.27
HSL	146°, 36%, 57%
HSV	146°, 42%, 73%
XYZ	28.4318, 40.1667, 31.4431
YIQ	157.2490, -32.6390, -30.7430

Conversions

Conversions Part 2

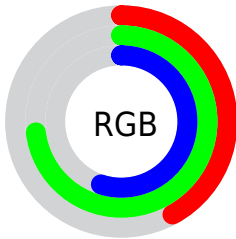
Format	Color
RYB	107, 162, 186
Decimal	7060109
CIELab	69.59, -34.52, 15.37
CIElCh	70, 37.787, 155.999
Yxy	40.1667, 0.2842, 0.4015
Android (android.graphics.Color)	4285250189 (0xFF6BBA8D)
YUV	157.2490, -8.0108, -44.0684
Hunter-Lab	63.3772, -30.8327, 14.9487

Details

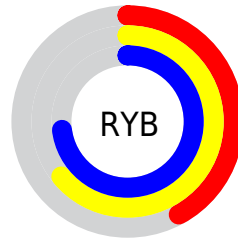
The Yxy color $40.1667, 0.2842, 0.4015$ is a dark color, and the websafe version is hex $66CC99$. A complement of this color would be $23.2320, 0.3585, 0.2671$, and the grayscale version is $33.8865, 0.3127, 0.3290$.

A 20% lighter version of the original color is $75.7227, 0.2901, 0.3868$, and $18.0147, 0.2739, 0.4250$ is the 20% darker color. If you saturate the color by 10%, you get $38.8356, 0.2794, 0.4226$, and if you desaturate by 10%, it is $41.7793, 0.2901, 0.3818$.

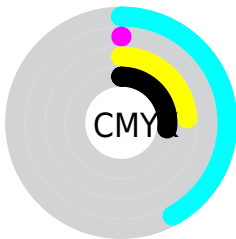
Distribution



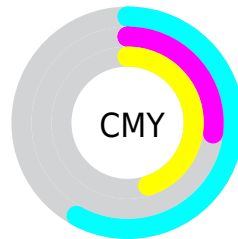
- Red (42%)
- Green (73%)
- Blue (55%)



- Red (42%)
- Yellow (64%)
- Blue (73%)



- Cyan (42%)
- Magenta (0%)
- Yellow (24%)
- Black (27%)





- Cyan (58%)
- Magenta (27%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.1667, 0.2842, 0.4015 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 40.1667, 0.2842, 0.4015 by changing the saturation by 10% instead.


 40.1667, 0.2842,
0.4015


 40.1667, 0.2842,
0.4015

346.8257, 0.2996,
0.3626

 27.6685, 0.2799,
0.4121


 75.4173, 0.2901,
0.3867

 18.0760, 0.2742,
0.4263


 98.9385, 0.2922,
0.3814

 11.0045, 0.2660,
0.4463


 126.9029, 0.2940,
0.3769

 6.0699, 0.2536,
0.4764

 159.6948, 0.2955,
0.3732

 2.8876, 0.2327,
0.5261

197.6986, 0.2968,
0.3700

 1.0733, 0.1258,
0.8127

241.2988, 0.2978,

 0.0000, 0.0000,

0.3672

0.0000

290.8797, 0.2988,
0.3648

■ 40.1667, 0.2842,
0.4015

■ 40.1667, 0.2842,
0.4015

■ 38.8356, 0.2794,
0.4226

■ 41.7793, 0.2901,
0.3818

■ 37.7642, 0.2760,
0.4445

■ 43.6840, 0.2966,
0.3636

■ 36.9353, 0.2743,
0.4667


■ 45.8965, 0.3037,
0.3471


■ 36.3274, 0.2744,
0.4885

■ 48.4303, 0.3109,
0.3324


■ 35.9151, 0.2764,
0.5091

■ 51.2979, 0.3182,
0.3193

 35.6960, 0.2788,
0.5237

 54.5111, 0.3254,
0.3077

 58.0811, 0.3323,
0.2976

 61.8591, 0.3383,
0.2886

 62.4590, 0.3299,
0.2785

Harmonies

Analogous

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



40.1667, 0.3384, 0.4289



40.1667, 0.2842, 0.4015



40.1667, 0.2402, 0.3488

Triad

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



40.1667, 0.2842, 0.4015



40.1667, 0.2375, 0.2420



40.1667, 0.4199, 0.3479

Complementary

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



40.1667, 0.2842, 0.4015



23.2320, 0.3585, 0.2671

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.



40.1667, 0.3882, 0.3053



40.1667, 0.2842, 0.4015



40.1667, 0.2798, 0.2470

Square

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



40.1667, 0.2842, 0.4015



40.1667, 0.2155, 0.2576



40.1667, 0.3352, 0.2696



40.1667, 0.4190, 0.3900

Rectangle

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



40.1667, 0.2842, 0.4015



40.1667, 0.2216, 0.3116



40.1667, 0.3352, 0.2696



40.1667, 0.4127, 0.3334

Sweetspot

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



40.1683, 0.2842, 0.4015



82.8640, 0.3031, 0.3483



42.9622, 0.3448, 0.4439



18.0430, 0.3015, 0.3519



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



40.1683, 0.2842, 0.4015



70.5250, 0.2797, 0.4212



41.5177, 0.2596, 0.3388



10.1225, 0.3059, 0.3423



24.0296, 0.2781, 0.5212



0.8596, 0.2636, 0.4690

Inverse Universe

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



23.2320, 0.3585, 0.2671



35.7252, 0.3733, 0.2542



22.1691, 0.4118, 0.3200



9.0957, 0.3201, 0.3160



7.7393, 0.4640, 0.2330



0.2850, 0.4177, 0.2075

Previews

White Background



This preview shows how the Yxy color 40.1667, 0.2842, 0.4015 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 40.1667, 0.2842, 0.4015 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

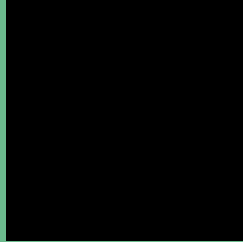
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.1667, 0.2842, 0.4015

Background



This preview shows how black text looks on a background with the Yxy color 40.1667, 0.2842, 0.4015.

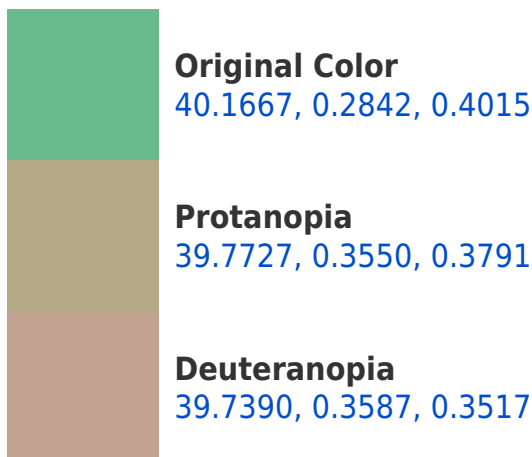


This preview shows how white text looks on a background with the Yxy color 40.1667, 0.2842, 0.4015.

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





Tritanopia

40.0124, 0.2570, 0.3083

Trichromacy



Original Color

40.1667, 0.2842, 0.4015



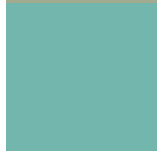
Protanomaly

39.2098, 0.3251, 0.3873



Deuteranomaly

38.8208, 0.3274, 0.3684



Tritanomaly

40.1567, 0.2670, 0.3411

Monochromacy



Original Color

40.1667, 0.2842, 0.4015



Achromatopsia

33.7164, 0.3127, 0.3290



Achromatomaly

35.7286, 0.3007, 0.3553

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.1667, 0.2842, 0.4015 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(107, 186, 141)` looks like.

```
.text, #text, p{  
    color:rgb(107, 186, 141)  
}
```

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(107, 186, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 186, 141) }
```

Border

The CSS property to change the border of an element to Yxy 40.1667, 0.2842, 0.4015 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(107, 186, 141) }
```

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

```
.border{ border-color:rgb(107, 186, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 186, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 186, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 186, 141);  
box-shadow:4px 4px 4px 4px rgb(107, 186,  
141) }
```


Background

The CSS property to change the background color of an element to Yxy 40.1667, 0.2842, 0.4015 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 186, 141) }
```

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

```
.background{ background-color: rgb(107,  
186, 141) }
```

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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