

Converting Colors

$Yxy(36.4027, 0.2692, 0.3830)$

Have a look what the booklet for
Yxy(36.4027, 0.2692, 0.3830)
contains.

Yxy(36.5397, 0.2695, 0.3844)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(36.5397, 0.2695, 0.3844)

Conversions

Conversions Part 1

Format	Color
Hex	5BB392
RGB	91, 179, 146
RGB Percent	36%, 70%, 57%
CMY	0.6434, 0.2980, 0.4274
CMYK	0.49, 0.00, 0.18, 0.30
HSL	158°, 37%, 53%
HSV	158°, 49%, 70%
XYZ	25.6177, 36.5397, 32.8990
YIQ	148.9260, -41.8550, -28.9190

Conversions

Conversions Part 2

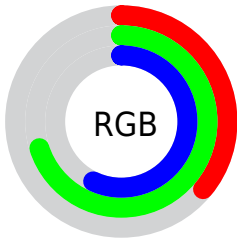
Format	Color
RYB	91, 145, 179
Decimal	6009746
CIELab	66.93, -34.48, 8.78
CIELCh	67, 35.581, 165.718
Yxy	36.5397, 0.2695, 0.3844
Android (android.graphics.Color)	4284199826 (0xFF5BB392)
YUV	148.9260, -1.4425, -50.8011
Hunter-Lab	60.4481, -30.1364, 10.0449

Details

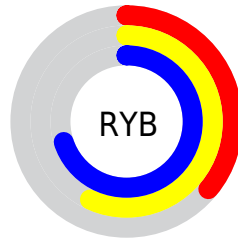
The Yxy color **36.5397, 0.2695, 0.3844** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **18.5086, 0.3950, 0.2816**, and the grayscale version is **30.0351, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.6978, 0.2779, 0.3726**, and **16.0733, 0.2550, 0.4031** is the 20% darker color. If you saturate the color by 10%, you get **35.5355, 0.2639, 0.3982**, and if you desaturate by 10%, it is **37.7760, 0.2766, 0.3713**.

Distribution



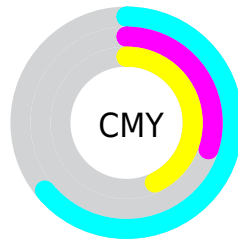
- Red (36%)
- Green (70%)
- Blue (57%)



- Red (36%)
- Yellow (57%)
- Blue (70%)



- Cyan (49%)
- Magenta (0%)
- Yellow (18%)
- Black (30%)





- Cyan (64%)
- Magenta (30%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.5397, 0.2695, 0.3844 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 36.5397, 0.2695, 0.3844 by changing the saturation by 10% instead.

 36.5397, 0.2695,
0.3844


 36.5397, 0.2695,
0.3844


331.3134, 0.2924,
0.3546

 24.8513, 0.2633,
0.3926


 69.8643, 0.2781,
0.3730

 15.9663, 0.2551,
0.4036


 92.2692, 0.2813,
0.3689

 9.5003, 0.2437,
0.4192


 119.0152, 0.2839,
0.3655

 5.0689, 0.2268,
0.4430

 150.4865, 0.2861,
0.3627

 2.2878, 0.1992,
0.4830

187.0676, 0.2880,
0.3602

 0.7672, 0.0000,
0.7758

229.1428, 0.2897,

 0.0000, 0.0000,

0.3581

0.0000

277.0966, 0.2911,
0.3562

■ 36.5397, 0.2695,
0.3844

■ 36.5397, 0.2695,
0.3844

■ 35.5355, 0.2639,
0.3982

■ 37.7760, 0.2766,
0.3713

■ 34.7431, 0.2601,
0.4124

■ 39.2544, 0.2848,
0.3591

■ 34.1460, 0.2582,
0.4268


■ 40.9894, 0.2939,
0.3478

■ 33.7230, 0.2582,
0.4412

■ 42.9933, 0.3035,
0.3376


■ 33.4346, 0.2600,
0.4553


■ 45.2774, 0.3135,
0.3283

 33.4136, 0.2601,
0.4564

 47.8525, 0.3236,
0.3200

 50.7286, 0.3337,
0.3127

 53.9155, 0.3436,
0.3062

 57.4224, 0.3531,
0.3006

Harmonies

Analogous

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



36.5397, 0.3205, 0.4209



36.5397, 0.2695, 0.3844



36.5397, 0.2321, 0.3304

Triad

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



36.5397, 0.2695, 0.3844



36.5397, 0.2509, 0.2437



36.5397, 0.4202, 0.3614

Complementary

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



36.5397, 0.2695, 0.3844



18.5086, 0.3950, 0.2816

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.



36.5397, 0.3991, 0.3191



36.5397, 0.2695, 0.3844



36.5397, 0.2974, 0.2545

Square

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



36.5397, 0.2695, 0.3844



36.5397, 0.2225, 0.2523



36.5397, 0.3525, 0.2813



36.5397, 0.4092, 0.4003

Rectangle

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



36.5397, 0.2695, 0.3844



36.5397, 0.2188, 0.2964



36.5397, 0.3525, 0.2813



36.5397, 0.4167, 0.3472

Sweetspot

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



36.5412, 0.2695, 0.3844



74.7593, 0.2976, 0.3436



37.3362, 0.3325, 0.4699



16.4020, 0.2956, 0.3458



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.



36.5412, 0.2695, 0.3844



63.5077, 0.2635, 0.3993



33.7534, 0.2459, 0.3122



9.5765, 0.3034, 0.3377



23.6209, 0.2597, 0.4547



0.7541, 0.2487, 0.4154

Inverse Universe

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



18.5086, 0.3950, 0.2816



27.4630, 0.4240, 0.2732



19.6864, 0.4398, 0.3442



8.5562, 0.3230, 0.3205



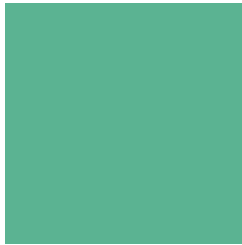
7.0710, 0.5444, 0.2773



0.2340, 0.4682, 0.2353

Previews

White Background



This preview shows how the Yxy color 36.5397, 0.2695, 0.3844 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 36.5397, 0.2695, 0.3844 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

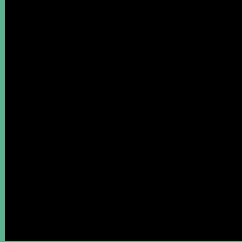
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.5397, 0.2695, 0.3844

Background



This preview shows how black text looks on a background with the Yxy color 36.5397, 0.2695, 0.3844.

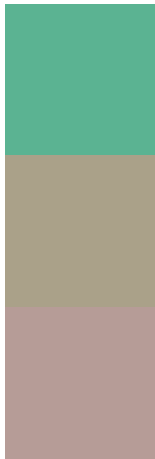


This preview shows how white text looks on a background with the Yxy color 36.5397, 0.2695, 0.3844.

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

36.5397, 0.2695, 0.3844

Protanopia

35.8419, 0.3436, 0.3639

Deuteranopia

35.9564, 0.3436, 0.3360



Tritanopia

36.3586, 0.2493, 0.3072

Trichromacy



Original Color

36.5397, 0.2695, 0.3844

Protanomaly

35.5614, 0.3116, 0.3728

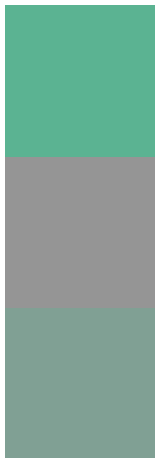
Deuteranomaly

35.1104, 0.3116, 0.3519

Tritanomaly

36.2912, 0.2567, 0.3336

Monochromacy



Original Color

36.5397, 0.2695, 0.3844

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

31.8689, 0.2933, 0.3485

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.5397, 0.2695, 0.3844 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(91, 179, 146)` looks like.

```
.text, #text, p{  
    color:rgb(91, 179, 146)  
}
```

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(91, 179, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 179, 146) }
```

Border

The CSS property to change the border of an element to Yxy 36.5397, 0.2695, 0.3844 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(91, 179, 146) }
```

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

```
.border{ border-color:rgb(91, 179, 146) }
```

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

Here you see how a box with a 4 pixel rgb(91, 179, 146) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 179, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 179, 146);  
box-shadow:4px 4px 4px 4px rgb(91, 179,  
146) }
```


Background

The CSS property to change the background color of an element to Yxy 36.5397, 0.2695, 0.3844 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 179, 146) }
```

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

```
.background{ background-color: rgb(91, 179,  
146) }
```

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