

Converting Colors

$Yxy(36.5301, 0.2635, 0.3705)$

Have a look what the booklet for
Yxy(36.5301, 0.2635, 0.3705)
contains.

Yxy(36.6971, 0.2632, 0.3705)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$\text{Yxy}(36.6971, 0.2632, 0.3705)$

Conversions

Conversions Part 1

Format	Color
Hex	59B39A
RGB	89, 179, 154
RGB Percent	35%, 70%, 60%
CMY	0.6512, 0.2980, 0.3961
CMYK	0.50, 0.00, 0.14, 0.30
HSL	163°, 37%, 53%
HSV	163°, 50%, 70%
XYZ	26.0693, 36.6971, 36.2811
YIQ	149.2400, -45.6150, -26.8550

Conversions

Conversions Part 2

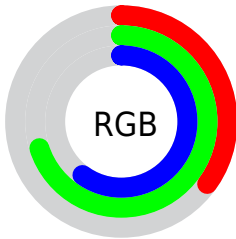
Format	Color
RYB	89, 141, 179
Decimal	5878682
CIELab	67.05, -33.11, 4.53
CIElCh	67, 33.416, 172.204
Yxy	36.6971, 0.2632, 0.3705
Android (android.graphics.Color)	4284068762 (0xFF59B39A)
YUV	149.2400, 2.3467, -52.8305
Hunter-Lab	60.5781, -29.1957, 6.8951

Details

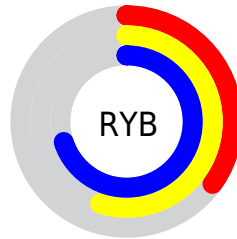
The Yxy color **36.6971, 0.2632, 0.3705** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **17.9363, 0.4119, 0.2932**, and the grayscale version is **30.1616, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.9905, 0.2732, 0.3623**, and **16.1479, 0.2477, 0.3850** is the 20% darker color. If you saturate the color by 10%, you get **35.7563, 0.2570, 0.3805**, and if you desaturate by 10%, it is **37.8629, 0.2710, 0.3610**.

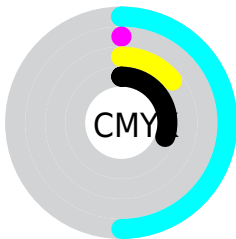
Distribution



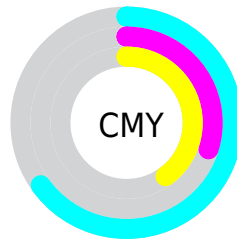
- Red (35%)
- Green (70%)
- Blue (60%)



- Red (35%)
- Yellow (55%)
- Blue (70%)



- Cyan (50%)
- Magenta (0%)
- Yellow (14%)
- Black (30%)



- Cyan (65%)
- Magenta (30%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.6971, 0.2632, 0.3705 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 36.6971, 0.2632, 0.3705 by changing the saturation by 10% instead.


 36.6971, 0.2632,
0.3705


 36.6971, 0.2632,
0.3705


331.9973, 0.2891,
0.3485

 24.9731, 0.2564,
0.3764


 70.1067, 0.2729,
0.3622

 16.0570, 0.2474,
0.3843


 92.5610, 0.2764,
0.3592

 9.5645, 0.2350,
0.3954


 119.3609, 0.2794,
0.3566

 5.1112, 0.2171,
0.4118

 150.8907, 0.2819,
0.3545

 2.3126, 0.1886,
0.4388

187.5348, 0.2841,
0.3527

 0.7804, 0.0000,
0.5943

229.6777, 0.2860,

 0.0000, 0.0000,

0.3511

0.0000

277.7037, 0.2876,
0.3497

■ 36.6971, 0.2632,
0.3705

■ 36.6971, 0.2632,
0.3705

■ 35.7563, 0.2570,
0.3805

■ 37.8629, 0.2710,
0.3610

■ 35.0203, 0.2525,
0.3907

■ 39.2638, 0.2801,
0.3520

■ 34.4722, 0.2501,
0.4011

■ 40.9143, 0.2902,
0.3437

■ 34.0907, 0.2495,
0.4115

■ 42.8267, 0.3011,
0.3361

■ 33.8367, 0.2504,
0.4215

■ 45.0122, 0.3124,
0.3292

■ 47.4815, 0.3239,
0.3230

■ 50.2448, 0.3355,
0.3175

■ 53.3116, 0.3469,
0.3126

■ 56.6910, 0.3581,
0.3083

Harmonies

Analogous

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



36.6971, 0.3095, 0.4097



36.6971, 0.2632, 0.3705



36.6971, 0.2317, 0.3197

Triad

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



36.6971, 0.2632, 0.3705



36.6971, 0.2628, 0.2492



36.6971, 0.4138, 0.3685

Complementary

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



36.6971, 0.2632, 0.3705



17.9363, 0.4119, 0.2932

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.



36.6971, 0.4004, 0.3285



36.6971, 0.2632, 0.3705



36.6971, 0.3094, 0.2630

Square

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



36.6971, 0.2632, 0.3705



36.6971, 0.2318, 0.2534



36.6971, 0.3608, 0.2911



36.6971, 0.3977, 0.4029

Rectangle

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



36.6971, 0.2632, 0.3705



36.6971, 0.2221, 0.2897



36.6971, 0.3608, 0.2911



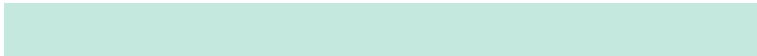
36.6971, 0.4127, 0.3553

Sweetspot

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



36.6986, 0.2632, 0.3705



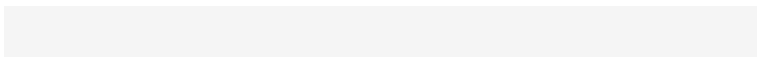
74.9390, 0.2956, 0.3398



36.5734, 0.3250, 0.4769



16.4468, 0.2934, 0.3414



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.



36.6986, 0.2632, 0.3705



63.9267, 0.2566, 0.3812



30.3444, 0.2418, 0.2967



9.5905, 0.3022, 0.3354



23.9194, 0.2501, 0.4202



0.7619, 0.2421, 0.3916

Inverse Universe

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



17.9363, 0.4119, 0.2932



26.6132, 0.4465, 0.2876



21.1293, 0.4367, 0.3575



8.5428, 0.3245, 0.3227



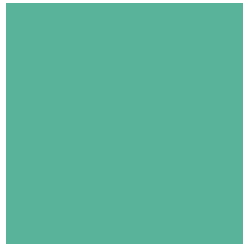
6.9430, 0.5804, 0.2971



0.2286, 0.4999, 0.2528

Previews

White Background



This preview shows how the Yxy color 36.6971, 0.2632, 0.3705 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 36.6971, 0.2632, 0.3705 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

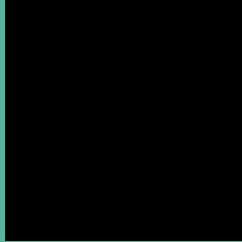
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.6971, 0.2632, 0.3705

Background



This preview shows how black text looks on a background with the Yxy color 36.6971, 0.2632, 0.3705.



This preview shows how white text looks on a background with the Yxy color 36.6971, 0.2632, 0.3705.

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

36.6971, 0.2632, 0.3705

Protanopia

36.3200, 0.3349, 0.3537

Deuteranopia

36.2009, 0.3326, 0.3263



Tritanopia

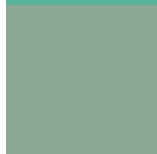
36.5556, 0.2467, 0.3072

Trichromacy



Original Color

36.6971, 0.2632, 0.3705



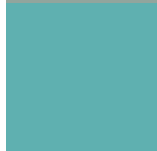
Protanomaly

35.7188, 0.3041, 0.3601



Deuteranomaly

35.4556, 0.3021, 0.3411



Tritanomaly

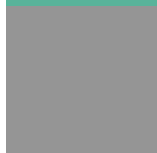
36.6182, 0.2522, 0.3288

Monochromacy



Original Color

36.6971, 0.2632, 0.3705



Achromatopsia

30.0544, 0.3127, 0.3290



Achromatomaly

31.8880, 0.2899, 0.3436

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.6971, 0.2632, 0.3705 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(89, 179, 154)` looks like.

```
.text, #text, p{  
    color:rgb(89, 179, 154)  
}
```

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(89, 179, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 179, 154) }
```

Border

The CSS property to change the border of an element to Yxy 36.6971, 0.2632, 0.3705 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(89, 179, 154) }
```

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

```
.border{ border-color:rgb(89, 179, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 179, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 179, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 179, 154);  
box-shadow:4px 4px 4px 4px rgb(89, 179,  
154) }
```


Background

The CSS property to change the background color of an element to Yxy 36.6971, 0.2632, 0.3705 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 179, 154) }
```

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

```
.background{ background-color: rgb(89, 179,  
154) }
```

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