

Converting Colors

$Y_{xy}(33.7980, 0.2580, 0.3606)$

Have a look what the booklet for
Yxy(33.7980, 0.2580, 0.3606)
contains.

Yxy(33.6771, 0.2580, 0.3597)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(33.6771, 0.2580, 0.3597)

Conversions

Conversions Part 1

Format	Color
Hex	53AC9A
RGB	83, 172, 154
RGB Percent	33%, 67%, 60%
CMY	0.6743, 0.3255, 0.3961
CMYK	0.52, 0.00, 0.10, 0.33
HSL	168°, 35%, 50%
HSV	168°, 52%, 67%
XYZ	24.1554, 33.6771, 35.7930
YIQ	143.3370, -47.2660, -24.4660

Conversions

Conversions Part 2

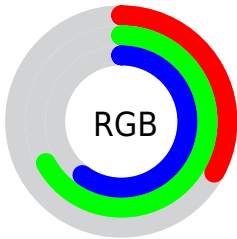
Format	Color
RYB	83, 133, 172
Decimal	5483674
CIELab	64.71, -31.16, 1.12
CIElCh	65, 31.178, 177.948
Yxy	33.6771, 0.2580, 0.3597
Android (android.graphics.Color)	4283673754 (0xFF53AC9A)
YUV	143.3370, 5.2569, -52.9155
Hunter-Lab	58.0320, -27.2566, 4.0534

Details

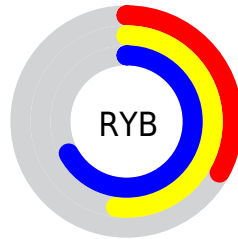
The Yxy color **33.6771, 0.2580, 0.3597** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **15.9072, 0.4272, 0.3025**, and the grayscale version is **27.6087, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.5298, 0.2691, 0.3542**, and **14.3015, 0.2402, 0.3696** is the 20% darker color. If you saturate the color by 10%, you get **32.8757, 0.2514, 0.3668**, and if you desaturate by 10%, it is **34.6786, 0.2662, 0.3529**.

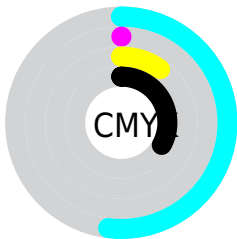
Distribution



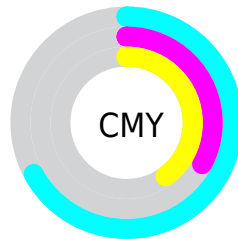
- Red (33%)
- Green (67%)
- Blue (60%)



- Red (33%)
- Yellow (52%)
- Blue (67%)



- Cyan (52%)
- Magenta (0%)
- Yellow (10%)
- Black (33%)




- Cyan (67%)
- Magenta (33%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.6771, 0.2580, 0.3597 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 33.6771, 0.2580, 0.3597 by changing the saturation by 10% instead.


 33.6771, 0.2580,
0.3597


 33.6771, 0.2580,
0.3597


318.6898, 0.2867,
0.3435


 22.6456, 0.2504,
0.3640


 65.4312, 0.2688,
0.3536

 14.3321, 0.2403,
0.3698


 86.9227, 0.2727,
0.3514

 8.3520, 0.2264,
0.3778


 112.6696, 0.2760,
0.3495

 4.3210, 0.2060,
0.3897

 143.0564, 0.2788,
0.3479

 1.8547, 0.1734,
0.4089

178.4674, 0.2812,
0.3466

 0.5209, 0.0000,
0.5157

219.2870, 0.2833,

 0.0000, 0.0000,

0.3454

0.0000

265.8997, 0.2851,
0.3444

■ 33.6771, 0.2580,
0.3597

■ 33.6771, 0.2580,
0.3597

■ 32.8757, 0.2514,
0.3668

■ 34.6786, 0.2662,
0.3529

■ 32.2558, 0.2466,
0.3740

■ 35.8894, 0.2759,
0.3465

■ 31.8020, 0.2438,
0.3813

■ 37.3229, 0.2867,
0.3404

■ 31.4945, 0.2428,
0.3886

■ 38.9900, 0.2983,
0.3349

■ 31.3149, 0.2430,
0.3946

■ 40.9012, 0.3106,
0.3298

■ 43.0662, 0.3232,
0.3252

■ 45.4942, 0.3359,
0.3212

■ 48.1939, 0.3485,
0.3175

■ 51.1735, 0.3609,
0.3143

Harmonies

Analogous

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



33.6771, 0.3006, 0.4009



33.6771, 0.2580, 0.3597



33.6771, 0.2311, 0.3114

Triad

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



33.6771, 0.2580, 0.3597



33.6771, 0.2724, 0.2533



33.6771, 0.4090, 0.3743

Complementary

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



33.6771, 0.2580, 0.3597



15.9072, 0.4272, 0.3025

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.



33.6771, 0.4015, 0.3361



33.6771, 0.2580, 0.3597



33.6771, 0.3192, 0.2696

Square

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



33.6771, 0.2580, 0.3597



33.6771, 0.2391, 0.2540



33.6771, 0.3676, 0.2990



33.6771, 0.3887, 0.4051

Rectangle

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



33.6771, 0.2580, 0.3597



33.6771, 0.2244, 0.2843



33.6771, 0.3676, 0.2990



33.6771, 0.4098, 0.3619

Sweetspot

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



33.6784, 0.2580, 0.3597



69.2975, 0.2929, 0.3374



32.9736, 0.3201, 0.4834



14.9309, 0.2906, 0.3385



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



33.6784, 0.2580, 0.3597



59.4665, 0.2506, 0.3678



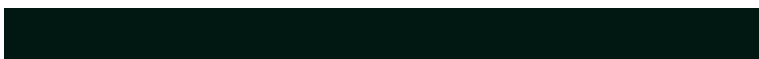
25.6251, 0.2383, 0.2851



9.0439, 0.3012, 0.3336



23.3123, 0.2427, 0.3939



0.6555, 0.2367, 0.3719

Inverse Universe

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



15.9072, 0.4272, 0.3025



23.6535, 0.4692, 0.2988



20.1758, 0.4360, 0.3670



8.0409, 0.3256, 0.3244



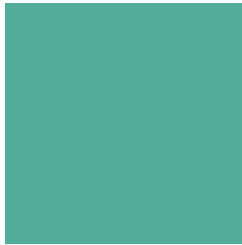
6.6229, 0.6034, 0.3097



0.1918, 0.5246, 0.2663

Previews

White Background



This preview shows how the Yxy color 33.6771, 0.2580, 0.3597 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 33.6771, 0.2580, 0.3597 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

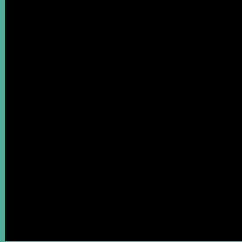
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.6771, 0.2580, 0.3597

Background



This preview shows how black text looks on a background with the Yxy color 33.6771, 0.2580, 0.3597.

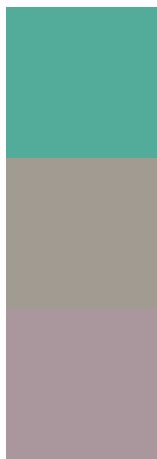


This preview shows how white text looks on a background with the Yxy color 33.6771, 0.2580, 0.3597.

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

33.6771, 0.2580, 0.3597

Protanopia

33.0641, 0.3281, 0.3441

Deuteranopia

33.1479, 0.3254, 0.3190



Tritanopia

33.6580, 0.2445, 0.3064

Trichromacy



Original Color

33.6771, 0.2580, 0.3597

Protanomaly

32.6144, 0.2978, 0.3498

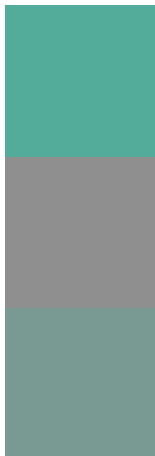
Deuteranomaly

32.6339, 0.2948, 0.3321

Tritanomaly

33.4783, 0.2492, 0.3239

Monochromacy



Original Color

33.6771, 0.2580, 0.3597

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

29.2827, 0.2875, 0.3407

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.6771, 0.2580, 0.3597 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(83, 172, 154)` looks like.

```
.text, #text, p{  
    color:rgb(83, 172, 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(83, 172, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 172, 154) }
```

Border

The CSS property to change the border of an element to Yxy 33.6771, 0.2580, 0.3597 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(83, 172, 154) }
```

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

```
.border{ border-color:rgb(83, 172, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 172, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 172, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 172, 154);  
box-shadow:4px 4px 4px 4px rgb(83, 172,  
154) }
```


Background

The CSS property to change the background color of an element to Yxy 33.6771, 0.2580, 0.3597 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 172, 154) }
```

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

```
.background{ background-color: rgb(83, 172,  
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](#).

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