

Converting Colors

$Yxy(33.6369, 0.2624, 0.3777)$

Have a look what the booklet for
Yxy(33.6369, 0.2624, 0.3777)
contains.

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Color

Yxy(33.6369, 0.2624, 0.3777)

Conversions

Conversions Part 1

Format	Color
Hex	50AD91
RGB	80, 173, 145
RGB Percent	31%, 68%, 57%
CMY	0.6859, 0.3216, 0.4313
CMYK	0.54, 0.00, 0.16, 0.32
HSL	162°, 37%, 50%
HSV	162°, 54%, 68%
XYZ	23.3686, 33.6369, 32.0517
YIQ	142.0010, -46.4400, -28.4240

Conversions

Conversions Part 2

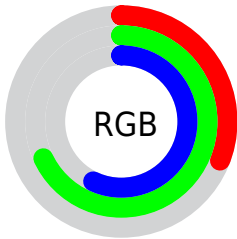
Format	Color
RYB	80, 135, 173
Decimal	5287313
CIELab	64.67, -34.50, 6.05
CIELCh	65, 35.023, 170.055
Yxy	33.6369, 0.2624, 0.3777
Android (android.graphics.Color)	4283477393 (0xFF50AD91)
YUV	142.0010, 1.4785, -54.3749
Hunter-Lab	57.9973, -29.5731, 7.8321

Details

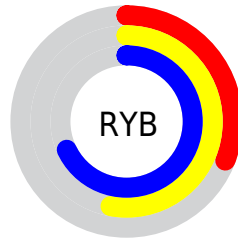
The Yxy color **33.6369, 0.2624, 0.3777** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **15.7184, 0.4181, 0.2880**, and the grayscale version is **27.0680, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.3964, 0.2724, 0.3674**, and **14.3303, 0.2452, 0.3940** is the 20% darker color. If you saturate the color by 10%, you get **32.8216, 0.2569, 0.3887**, and if you desaturate by 10%, it is **34.6562, 0.2695, 0.3672**.

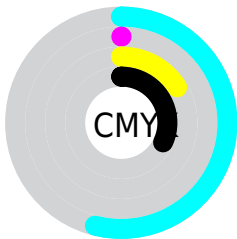
Distribution



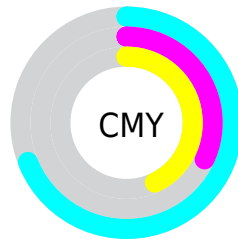
- Red (31%)
- Green (68%)
- Blue (57%)



- Red (31%)
- Yellow (53%)
- Blue (68%)



- Cyan (54%)
- Magenta (0%)
- Yellow (16%)
- Black (32%)




- Cyan (69%)
- Magenta (32%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.6369, 0.2624, 0.3777 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 33.6369, 0.2624, 0.3777 by changing the saturation by 10% instead.

 33.6369, 0.2624,
0.3777


 33.6369, 0.2624,
0.3777


318.5100, 0.2892,
0.3514

 22.6148, 0.2552,
0.3850


 65.3686, 0.2725,
0.3676


 14.3093, 0.2455,
0.3949


 86.8470, 0.2762,
0.3640

 8.3361, 0.2321,
0.4089


 112.5797, 0.2793,
0.3610

 4.3108, 0.2120,
0.4304

 142.9509, 0.2819,
0.3585

 1.8489, 0.1777,
0.4682

 178.3452, 0.2841,
0.3563

 0.5174, 0.0000,
0.7865

219.1468, 0.2860,

 0.0000, 0.0000,

0.3544

0.0000

265.7403, 0.2877,
0.3528

■ 33.6369, 0.2624,
0.3777

■ 33.6369, 0.2624,
0.3777

■ 32.8216, 0.2569,
0.3887

■ 34.6562, 0.2695,
0.3672

■ 32.1910, 0.2533,
0.3999

■ 35.8891, 0.2779,
0.3572

■ 31.7288, 0.2517,
0.4113

■ 37.3494, 0.2875,
0.3479

■ 31.4140, 0.2519,
0.4226

■ 39.0487, 0.2978,
0.3394

■ 31.2618, 0.2527,
0.4296

■ 40.9975, 0.3086,
0.3317

■ 43.2060, 0.3197,
0.3247

■ 45.6836, 0.3309,
0.3185

■ 48.4394, 0.3420,
0.3130

■ 51.4818, 0.3529,
0.3081

Harmonies

Analogous

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



33.6369, 0.3127, 0.4187



33.6369, 0.2624, 0.3777



33.6369, 0.2275, 0.3224

Triad

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



33.6369, 0.2624, 0.3777



33.6369, 0.2560, 0.2433



33.6369, 0.4218, 0.3678

Complementary

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



33.6369, 0.2624, 0.3777



15.7184, 0.4181, 0.2880

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.



33.6369, 0.4051, 0.3250



33.6369, 0.2624, 0.3777



33.6369, 0.3050, 0.2567

Square

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



33.6369, 0.2624, 0.3777



33.6369, 0.2244, 0.2489



33.6369, 0.3607, 0.2858



33.6369, 0.4062, 0.4059

Rectangle

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



33.6369, 0.2624, 0.3777



33.6369, 0.2162, 0.2894



33.6369, 0.3607, 0.2858



33.6369, 0.4199, 0.3536

Sweetspot

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



33.6382, 0.2624, 0.3777



69.1149, 0.2951, 0.3415



33.7484, 0.3278, 0.4861



14.8867, 0.2930, 0.3432



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.



33.6382, 0.2624, 0.3777



58.6083, 0.2563, 0.3903



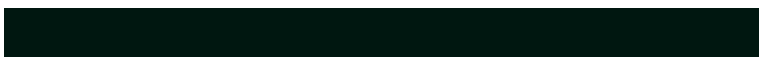
28.4900, 0.2392, 0.2997



9.0304, 0.3025, 0.3359



22.9792, 0.2523, 0.4284



0.6483, 0.2429, 0.3945

Inverse Universe

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



15.7184, 0.4181, 0.2880



23.2205, 0.4551, 0.2823



18.0361, 0.4514, 0.3545



8.0536, 0.3241, 0.3222



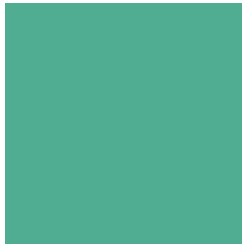
6.7187, 0.5719, 0.2924



0.1967, 0.4859, 0.2451

Previews

White Background



This preview shows how the Yxy color 33.6369, 0.2624, 0.3777 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 33.6369, 0.2624, 0.3777 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

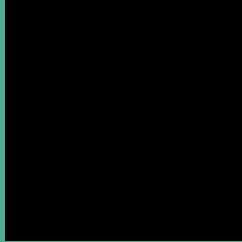
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.6369, 0.2624, 0.3777

Background



This preview shows how black text looks on a background with the Yxy color 33.6369, 0.2624, 0.3777.

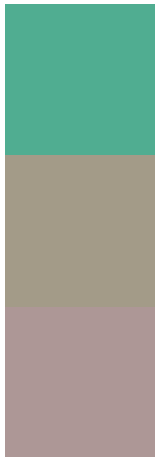


This preview shows how white text looks on a background with the Yxy color 33.6369, 0.2624, 0.3777.

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

33.6369, 0.2624, 0.3777

Protanopia

33.0068, 0.3388, 0.3576

Deuteranopia

33.2195, 0.3363, 0.3305



Tritanopia

33.6168, 0.2451, 0.3079

Trichromacy



Original Color

33.6369, 0.2624, 0.3777

Protanomaly

32.6913, 0.3054, 0.3663

Deuteranomaly

32.4234, 0.3033, 0.3464

Tritanomaly

33.6513, 0.2514, 0.3321

Monochromacy



Original Color

33.6369, 0.2624, 0.3777

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

28.6876, 0.2890, 0.3460

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.6369, 0.2624, 0.3777 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(80, 173, 145)` looks like.

```
.text, #text, p{  
    color:rgb(80, 173, 145)  
}
```

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(80, 173, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 173, 145) }
```

Border

The CSS property to change the border of an element to Yxy 33.6369, 0.2624, 0.3777 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(80, 173, 145) }
```

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

```
.border{ border-color:rgb(80, 173, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 173, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 173, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 173, 145);  
box-shadow:4px 4px 4px 4px rgb(80, 173,  
145) }
```


Background

The CSS property to change the background color of an element to Yxy 33.6369, 0.2624, 0.3777 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 173, 145) }
```

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

```
.background{ background-color: rgb(80, 173,  
145) }
```

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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