

Converting Colors

$Yxy(36.8255, 0.2761, 0.4550)$

Have a look what the booklet for
Yxy(36.8255, 0.2761, 0.4550)
contains.

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Color

Yxy(36.9696, 0.2760, 0.4549)

Conversions

Conversions Part 1

Format	Color
Hex	3FB972
RGB	63, 185, 114
RGB Percent	25%, 73%, 45%
CMY	0.7534, 0.2745, 0.5530
CMYK	0.66, 0.00, 0.38, 0.27
HSL	145°, 49%, 49%
HSV	145°, 66%, 73%
XYZ	22.4304, 36.9696, 21.8697
YIQ	140.4280, -49.9210, -47.9450

Conversions

Conversions Part 2

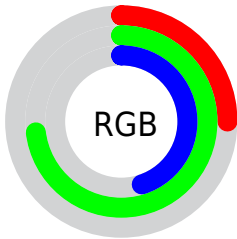
Format	Color
RYB	63, 149, 185
Decimal	4176242
CIELab	67.25, -49.87, 26.41
CIELCh	67, 56.434, 152.091
Yxy	36.9696, 0.2760, 0.4549
Android (android.graphics.Color)	4282366322 (0xFF3FB972)
YUV	140.4280, -13.0290, -67.9044
Hunter-Lab	60.8026, -40.5549, 21.2362

Details

The Yxy color **36.9696, 0.2760, 0.4549** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **15.5780, 0.3963, 0.2367**, and the grayscale version is **26.4563, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.5425, 0.2850, 0.4283**, and **16.6143, 0.2715, 0.4972** is the 20% darker color. If you saturate the color by 10%, you get **36.2313, 0.2750, 0.4775**, and if you desaturate by 10%, it is **37.9443, 0.2788, 0.4324**.

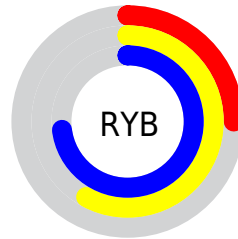
Distribution



Red (25%)

Green (73%)

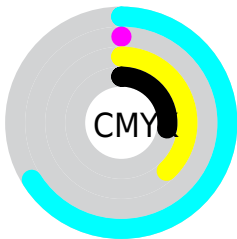
Blue (45%)



Red (25%)

Yellow (58%)

Blue (73%)

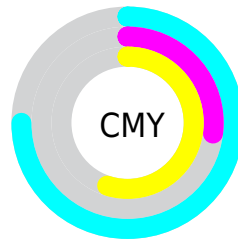


Cyan (66%)

Magenta (0%)

Yellow (38%)

Black (27%)



Cyan (75%)


Magenta (27%)

Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.9696, 0.2760, 0.4549 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 36.9696, 0.2760, 0.4549 by changing the saturation by 10% instead.


 36.9696, 0.2760,
0.4549

 36.9696, 0.2760,
0.4549


333.1789, 0.2974,
0.3850


 25.1840, 0.2695,
0.4748


 70.5260, 0.2846,
0.4277


 16.2142, 0.2602,
0.5019


 93.0656, 0.2876,
0.4181

 9.6758, 0.2465,
0.5407


 119.9586, 0.2900,
0.4101

 5.1846, 0.2241,
0.5999

 151.5894, 0.2920,
0.4035

 2.3560, 0.1877,
0.7392

 188.3425, 0.2937,
0.3978

 0.8031, 0.0000,
1.0000

230.6021, 0.2951,

 0.0000, 0.0000,

0.3929

0.0000

278.7528, 0.2964,
0.3887

■ 36.9696, 0.2760,
0.4549

■ 36.9696, 0.2760,
0.4549

■ 36.2313, 0.2750,
0.4775

■ 37.9443, 0.2788,
0.4324

■ 35.7023, 0.2758,
0.4992

■ 39.1702, 0.2830,
0.4105

■ 35.3556, 0.2785,
0.5195

■ 40.6663, 0.2884,
0.3898

■ 35.2448, 0.2798,
0.5271

■ 42.4483, 0.2946,
0.3707

■ 44.5307, 0.3014,
0.3532

■ 46.9270, 0.3084,
0.3376

■ 49.6498, 0.3156,
0.3236

■ 52.7112, 0.3226,
0.3113

■ 56.1225, 0.3295,
0.3005

Harmonies

Analogous

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



36.9696, 0.3561, 0.4867



36.9696, 0.2760, 0.4549



36.9696, 0.2103, 0.3696

Triad

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



36.9696, 0.2760, 0.4549



36.9696, 0.1970, 0.2037



36.9696, 0.4733, 0.3422

Complementary

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



36.9696, 0.2760, 0.4549



15.5780, 0.3963, 0.2367

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.



36.9696, 0.4189, 0.2845



36.9696, 0.2760, 0.4549



36.9696, 0.2525, 0.2088

Square

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



36.9696, 0.2760, 0.4549



36.9696, 0.1710, 0.2263



36.9696, 0.3334, 0.2374



36.9696, 0.4745, 0.4034

Rectangle

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



36.9696, 0.2760, 0.4549



36.9696, 0.1829, 0.3087



36.9696, 0.3334, 0.2374



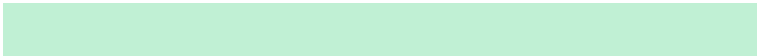
36.9696, 0.4606, 0.3222

Sweetspot

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



36.9711, 0.2760, 0.4549



78.0632, 0.2984, 0.3606



40.1398, 0.3548, 0.5069



16.6071, 0.2965, 0.3655



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



36.9711, 0.2760, 0.4549



64.4306, 0.2751, 0.4869



38.8451, 0.2410, 0.3453



10.1208, 0.3061, 0.3426



24.0088, 0.2791, 0.5247



0.8588, 0.2644, 0.4719

Inverse Universe

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



15.5780, 0.3963, 0.2367



23.3374, 0.4236, 0.2279



14.3411, 0.5086, 0.3173



9.0974, 0.3200, 0.3158



7.7692, 0.4594, 0.2304



0.2859, 0.4146, 0.2058

Previews

White Background



This preview shows how the Yxy color 36.9696, 0.2760, 0.4549 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 36.9696, 0.2760, 0.4549 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 36.9696, 0.2760, 0.4549

Background



This preview shows how black text looks on a background with the Yxy color 36.9696, 0.2760, 0.4549.



This preview shows how white text looks on a background with the Yxy color 36.9696, 0.2760, 0.4549.

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

36.9696, 0.2760, 0.4549

Protanopia

36.2077, 0.3801, 0.4096

Deuteranopia

36.3639, 0.3838, 0.3765



Tritanopia

36.8922, 0.2409, 0.3071

Trichromacy



Original Color

36.9696, 0.2760, 0.4549



Protanomaly

35.0664, 0.3329, 0.4286



Deuteranomaly

34.9652, 0.3341, 0.4061



Tritanomaly

36.5543, 0.2535, 0.3571

Monochromacy



Original Color

36.9696, 0.2760, 0.4549



Achromatopsia

26.2251, 0.3127, 0.3290



Achromatomaly

28.8604, 0.2929, 0.3730

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.9696, 0.2760, 0.4549 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(63, 185, 114)` looks like.

```
.text, #text, p{  
    color:rgb(63, 185, 114)  
}
```

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(63, 185, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 185, 114) }
```

Border

The CSS property to change the border of an element to Yxy 36.9696, 0.2760, 0.4549 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(63, 185, 114) }
```

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

```
.border{ border-color:rgb(63, 185, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 185, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 185, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 185, 114);  
box-shadow:4px 4px 4px 4px rgb(63, 185,  
114) }
```


Background

The CSS property to change the background color of an element to Yxy 36.9696, 0.2760, 0.4549 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 185, 114) }
```

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

```
.background{ background-color: rgb(63, 185,  
114) }
```

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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