

Converting Colors

$Y_{xy}(36.3365, 0.2731, 0.4274)$

Have a look what the booklet for
Yxy(36.3365, 0.2731, 0.4274)
contains.

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Color

Yxy(36.3787, 0.2729, 0.4272)

Conversions

Conversions Part 1

Format	Color
Hex	49B67E
RGB	73, 182, 126
RGB Percent	29%, 71%, 49%
CMY	0.7139, 0.2862, 0.5058
CMYK	0.60, 0.00, 0.31, 0.29
HSL	149°, 43%, 50%
HSV	149°, 60%, 71%
XYZ	23.2391, 36.3787, 25.5383
YIQ	143.0250, -46.9880, -40.5240

Conversions

Conversions Part 2

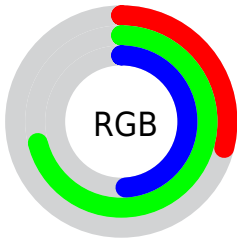
Format	Color
RYB	73, 146, 182
Decimal	4830846
CIELab	66.81, -44.28, 19.43
CIElCh	67, 48.355, 156.305
Yxy	36.3787, 0.2729, 0.4272
Android (android.graphics.Color)	4283020926 (0xFF49B67E)
YUV	143.0250, -8.3933, -61.4119
Hunter-Lab	60.3148, -36.7753, 17.1159

Details

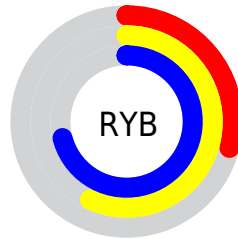
The Yxy color **36.3787, 0.2729, 0.4272** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **16.2885, 0.3976, 0.2527**, and the grayscale version is **27.5229, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.8130, 0.2816, 0.4065**, and **15.9742, 0.2614, 0.4609** is the 20% darker color. If you saturate the color by 10%, you get **35.5406, 0.2703, 0.4472**, and if you desaturate by 10%, it is **37.4502, 0.2772, 0.4077**.

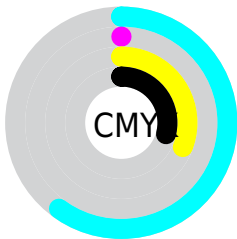
Distribution



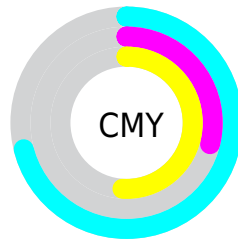
- Red (29%)
- Green (71%)
- Blue (49%)



- Red (29%)
- Yellow (57%)
- Blue (71%)



- Cyan (60%)
- Magenta (0%)
- Yellow (31%)
- Black (29%)




- Cyan (71%)
- Magenta (29%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 36.3787, 0.2729, 0.4272 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 36.3787, 0.2729, 0.4272 by changing the saturation by 10% instead.


 36.3787, 0.2729,
0.4272


 36.3787, 0.2729,
0.4272


330.6128, 0.2951,
0.3731

 24.7268, 0.2665,
0.4425


 69.6162, 0.2816,
0.4062

 15.8736, 0.2578,
0.4634


 91.9706, 0.2846,
0.3988


 9.4348, 0.2451,
0.4934


 118.6612, 0.2871,
0.3926

 5.0258, 0.2252,
0.5398

 150.0726, 0.2892,
0.3874

 2.2624, 0.1901,
0.6254

 186.5890, 0.2910,
0.3831

 0.7537, 0.0000,
1.0000

228.5949, 0.2926,

 0.0000, 0.0000,

0.3793

0.0000

276.4747, 0.2939,
0.3760

■ 36.3787, 0.2729,
0.4272

■ 36.3787, 0.2729,
0.4272

■ 35.5406, 0.2703,
0.4472

■ 37.4502, 0.2772,
0.4077

■ 34.9123, 0.2696,
0.4672

■ 38.7678, 0.2828,
0.3892

■ 34.4723, 0.2708,
0.4865

■ 40.3484, 0.2895,
0.3720

■ 34.1749, 0.2736,
0.5049

■ 42.2060, 0.2969,
0.3561

■ 34.1727, 0.2736,
0.5051

■ 44.3538, 0.3047,
0.3418

■ 46.8041, 0.3128,
0.3289

■ 49.5682, 0.3209,
0.3175

■ 52.6571, 0.3288,
0.3074

■ 56.0813, 0.3366,
0.2985

Harmonies

Analogous

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



36.3787, 0.3427, 0.4634



36.3787, 0.2729, 0.4272



36.3787, 0.2176, 0.3533

Triad

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



36.3787, 0.2729, 0.4272



36.3787, 0.2163, 0.2177



36.3787, 0.4545, 0.3505

Complementary

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



36.3787, 0.2729, 0.4272



16.2885, 0.3976, 0.2527

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.



36.3787, 0.4132, 0.2976



36.3787, 0.2729, 0.4272



36.3787, 0.2696, 0.2250

Square

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



36.3787, 0.2729, 0.4272



36.3787, 0.1890, 0.2352



36.3787, 0.3420, 0.2534



36.3787, 0.4508, 0.4046

Rectangle

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



36.3787, 0.2729, 0.4272



36.3787, 0.1953, 0.3029



36.3787, 0.3420, 0.2534



36.3787, 0.4455, 0.3323

Sweetspot

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



36.3802, 0.2729, 0.4272



77.1041, 0.2981, 0.3537



38.6298, 0.3466, 0.4953



16.7964, 0.2959, 0.3581



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.



36.3802, 0.2729, 0.4272



64.0126, 0.2698, 0.4538



38.1766, 0.2409, 0.3317



10.1310, 0.3052, 0.3410



24.1435, 0.2731, 0.5030



0.8636, 0.2596, 0.4544

Inverse Universe

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



16.2885, 0.3976, 0.2527



24.3096, 0.4273, 0.2428



15.2097, 0.4934, 0.3272



9.0871, 0.3210, 0.3173



7.6004, 0.4875, 0.2459



0.2804, 0.4335, 0.2162

Previews

White Background



This preview shows how the Yxy color 36.3787, 0.2729, 0.4272 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 36.3787, 0.2729, 0.4272 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 36.3787, 0.2729, 0.4272

Background



This preview shows how black text looks on a background with the Yxy color 36.3787, 0.2729, 0.4272.



This preview shows how white text looks on a background with the Yxy color 36.3787, 0.2729, 0.4272.

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

36.3787, 0.2729, 0.4272

Protanopia

35.7728, 0.3665, 0.3924

Deuteranopia

35.6734, 0.3680, 0.3609



Tritanopia

36.2301, 0.2434, 0.3070

Trichromacy



Original Color

36.3787, 0.2729, 0.4272



Protanomaly

35.0504, 0.3243, 0.4075



Deuteranomaly

34.6330, 0.3252, 0.3838



Tritanomaly

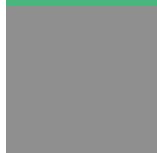
36.1393, 0.2542, 0.3486

Monochromacy



Original Color

36.3787, 0.2729, 0.4272



Achromatopsia

27.4677, 0.3127, 0.3290



Achromatomaly

29.7716, 0.2934, 0.3632

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.3787, 0.2729, 0.4272 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(73, 182, 126)` looks like.

```
.text, #text, p{  
  color:rgb(73, 182, 126)  
}
```

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(73, 182, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 182, 126) }
```

Border

The CSS property to change the border of an element to Yxy 36.3787, 0.2729, 0.4272 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(73, 182, 126) }
```

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

```
.border{ border-color:rgb(73, 182, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 182, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 182, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 182, 126);  
box-shadow:4px 4px 4px 4px rgb(73, 182,  
126) }
```


Background

The CSS property to change the background color of an element to `rgb(36.3787, 0.2729, 0.4272)` is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 182, 126) }
```

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

```
.background{ background-color: rgb(73, 182,  
126) }
```

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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