

Converting Colors

$Yxy(36.7086, 0.2801, 0.4274)$

Have a look what the booklet for
Yxy(36.7086, 0.2801, 0.4274)
contains.

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Color

Yxy(36.8679, 0.2802, 0.4273)

Conversions

Conversions Part 1

Format	Color
Hex	55B67D
RGB	85, 182, 125
RGB Percent	33%, 71%, 49%
CMY	0.6666, 0.2863, 0.5099
CMYK	0.53, 0.00, 0.31, 0.29
HSL	145°, 40%, 52%
HSV	145°, 53%, 71%
XYZ	24.1760, 36.8679, 25.2372
YIQ	146.4990, -39.5150, -38.2910

Conversions

Conversions Part 2

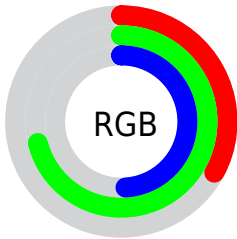
Format	Color
RYB	85, 154, 182
Decimal	5617277
CIELab	67.18, -41.73, 20.56
CIELCh	67, 46.514, 153.773
Yxy	36.8679, 0.2802, 0.4273
Android (android.graphics.Color)	4283807357 (0xFF55B67D)
YUV	146.4990, -10.5990, -53.9346
Hunter-Lab	60.7189, -35.1863, 17.8600

Details

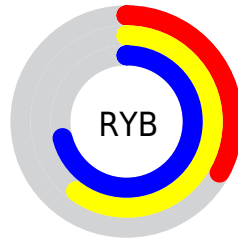
The Yxy color **36.8679, 0.2802, 0.4273** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **18.3993, 0.3730, 0.2502**, and the grayscale version is **29.0185, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.6101, 0.2873, 0.4067**, and **16.1089, 0.2670, 0.4619** is the 20% darker color. If you saturate the color by 10%, you get **35.8652, 0.2770, 0.4499**, and if you desaturate by 10%, it is **38.1221, 0.2847, 0.4055**.

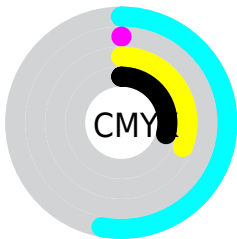
Distribution



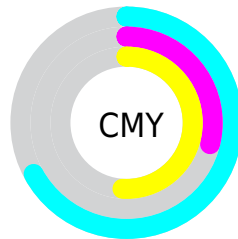
- Red (33%)
- Green (71%)
- Blue (49%)



- Red (33%)
- Yellow (60%)
- Blue (71%)



- Cyan (53%)
- Magenta (0%)
- Yellow (31%)
- Black (29%)



- Cyan (67%)
- Magenta (29%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.8679, 0.2802, 0.4273 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 36.8679, 0.2802, 0.4273 by changing the saturation by 10% instead.


 36.8679, 0.2802,
0.4273


 36.8679, 0.2802,
0.4273


332.7382, 0.2986,
0.3733

 25.1052, 0.2748,
0.4426


 70.3696, 0.2874,
0.4064

 16.1555, 0.2674,
0.4633


 92.8774, 0.2900,
0.3990

 9.6342, 0.2564,
0.4930


 119.7356, 0.2921,
0.3928

 5.1571, 0.2390,
0.5386

 151.3288, 0.2938,
0.3876

 2.3397, 0.2097,
0.6219

188.0413, 0.2953,
0.3832

 0.7946, 0.0000,
1.0000

230.2574, 0.2965,

 0.0000, 0.0000,

0.3795

0.0000

278.3616, 0.2976,
0.3762

■ 36.8679, 0.2802,
0.4273

■ 36.8679, 0.2802,
0.4273

■ 35.8652, 0.2770,
0.4499

■ 38.1221, 0.2847,
0.4055

■ 35.0915, 0.2756,
0.4728

■ 39.6396, 0.2903,
0.3850

■ 34.5276, 0.2759,
0.4950

■ 41.4366, 0.2966,
0.3661

■ 34.1488, 0.2781,
0.5158

■ 43.5269, 0.3034,
0.3490

■ 33.9651, 0.2802,
0.5288

■ 45.9233, 0.3104,
0.3337

■ 48.6376, 0.3174,
0.3200

■ 51.6814, 0.3243,
0.3080

■ 55.0653, 0.3310,
0.2975

■ 58.7996, 0.3374,
0.2883

Harmonies

Analogous

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



36.8679, 0.3477, 0.4580



36.8679, 0.2802, 0.4273



36.8679, 0.2250, 0.3588

Triad

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



36.8679, 0.2802, 0.4273



36.8679, 0.2167, 0.2222



36.8679, 0.4469, 0.3458

Complementary

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



36.8679, 0.2802, 0.4273



18.3993, 0.3730, 0.2502

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.



36.8679, 0.4040, 0.2950



36.8679, 0.2802, 0.4273



36.8679, 0.2662, 0.2273

Square

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



36.8679, 0.2802, 0.4273



36.8679, 0.1924, 0.2416



36.8679, 0.3348, 0.2532



36.8679, 0.4473, 0.3981

Rectangle

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



36.8679, 0.2802, 0.4273



36.8679, 0.2017, 0.3101



36.8679, 0.3348, 0.2532



36.8679, 0.4369, 0.3283

Sweetspot

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



36.8694, 0.2802, 0.4273



77.7237, 0.3014, 0.3539



39.9715, 0.3521, 0.4733



16.9928, 0.3000, 0.3574



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.



36.8694, 0.2802, 0.4273



64.7395, 0.2767, 0.4540



38.3795, 0.2508, 0.3444



10.1198, 0.3062, 0.3427



23.9974, 0.2796, 0.5267



0.8584, 0.2649, 0.4735

Inverse Universe

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



18.3993, 0.3730, 0.2502



27.6662, 0.3931, 0.2367



17.2662, 0.4500, 0.3159



9.0984, 0.3199, 0.3156



7.7863, 0.4568, 0.2290



0.2865, 0.4129, 0.2048

Previews

White Background



This preview shows how the Yxy color 36.8679, 0.2802, 0.4273 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 36.8679, 0.2802, 0.4273 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 36.8679, 0.2802, 0.4273

Background



This preview shows how black text looks on a background with the Yxy color 36.8679, 0.2802, 0.4273.



This preview shows how white text looks on a background with the Yxy color 36.8679, 0.2802, 0.4273.

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

36.8679, 0.2802, 0.4273

Protanopia

36.2156, 0.3681, 0.3949

Deuteranopia

36.2344, 0.3707, 0.3633



Tritanopia

36.7277, 0.2484, 0.3073

Trichromacy



Original Color

36.8679, 0.2802, 0.4273



Protanomaly

35.4586, 0.3299, 0.4080



Deuteranomaly

35.0746, 0.3309, 0.3846



Tritanomaly

36.6477, 0.2598, 0.3483

Monochromacy



Original Color

36.8679, 0.2802, 0.4273



Achromatopsia

29.1771, 0.3127, 0.3290



Achromatomaly

31.2908, 0.2972, 0.3640

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.8679, 0.2802, 0.4273 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(85, 182, 125)` looks like.

```
.text, #text, p{  
    color:rgb(85, 182, 125)  
}
```

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(85, 182, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 182, 125) }
```

Border

The CSS property to change the border of an element to Yxy 36.8679, 0.2802, 0.4273 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(85, 182, 125) }
```

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

```
.border{ border-color:rgb(85, 182, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 182, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 182, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 182, 125);  
box-shadow:4px 4px 4px 4px rgb(85, 182,  
125) }
```


Background

The CSS property to change the background color of an element to Yxy 36.8679, 0.2802, 0.4273 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 182, 125) }
```

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

```
.background{ background-color: rgb(85, 182,  
125) }
```

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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