

Converting Colors

$Yxy(35.1865, 0.2782, 0.4271)$

Have a look what the booklet for
Yxy(35.1865, 0.2782, 0.4271)
contains.

Yxy(35.3757, 0.2780, 0.4276)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(35.3757, 0.2780, 0.4276)

Conversions

Conversions Part 1

Format	Color
Hex	50B37B
RGB	80, 179, 123
RGB Percent	31%, 70%, 48%
CMY	0.6865, 0.2980, 0.5176
CMYK	0.55, 0.00, 0.31, 0.30
HSL	146°, 39%, 51%
HSV	146°, 55%, 70%
XYZ	22.9992, 35.3757, 24.3560
YIQ	143.0150, -41.0280, -38.4040

Conversions

Conversions Part 2

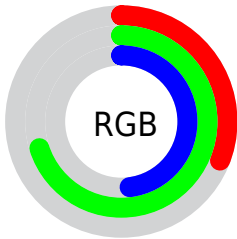
Format	Color
RYB	80, 149, 179
Decimal	5288827
CIELab	66.04, -42.05, 20.04
CIELCh	66, 46.579, 154.516
Yxy	35.3757, 0.2780, 0.4276
Android (android.graphics.Color)	4283478907 (0xFF50B37B)
YUV	143.0150, -9.8674, -55.2642
Hunter-Lab	59.4775, -35.0619, 17.3550

Details

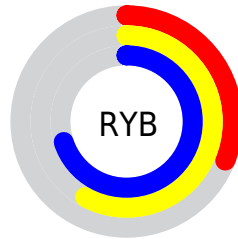
The Yxy color **35.3757, 0.2780, 0.4276** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **17.0879, 0.3798, 0.2506**, and the grayscale version is **27.5206, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.7855, 0.2854, 0.4056**, and **15.2133, 0.2640, 0.4632** is the 20% darker color. If you saturate the color by 10%, you get **34.4593, 0.2750, 0.4494**, and if you desaturate by 10%, it is **36.5287, 0.2825, 0.4065**.

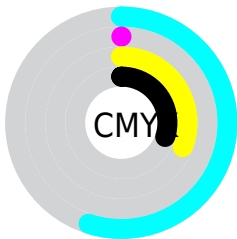
Distribution



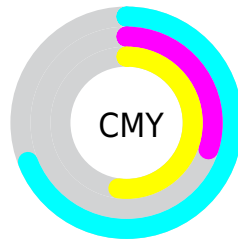
- Red (31%)
- Green (70%)
- Blue (48%)



- Red (31%)
- Yellow (58%)
- Blue (70%)



- Cyan (55%)
- Magenta (0%)
- Yellow (31%)
- Black (30%)





- Cyan (69%)
- Magenta (30%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.3757, 0.2780, 0.4276 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 35.3757, 0.2780, 0.4276 by changing the saturation by 10% instead.

 35.3757, 0.2780,
0.4276


 35.3757, 0.2780,
0.4276


326.2236, 0.2976,
0.3731

 23.9524, 0.2722,
0.4432


 68.0674, 0.2857,
0.4064

 15.2983, 0.2642,
0.4644


 90.1046, 0.2885,
0.3989

 9.0290, 0.2524,
0.4951


 116.4485, 0.2907,
0.3927

 4.7601, 0.2336,
0.5426

 147.4836, 0.2925,
0.3875

 2.1072, 0.2004,
0.6384

 183.5943, 0.2941,
0.3831

 0.6687, 0.0000,
1.0000

225.1649, 0.2954,

 0.0000, 0.0000,

0.3793

0.0000

272.5799, 0.2966,
0.3760

■ 35.3757, 0.2780,
0.4276

■ 35.3757, 0.2780,
0.4276

■ 34.4593, 0.2750,
0.4494

■ 36.5287, 0.2825,
0.4065

■ 33.7574, 0.2737,
0.4714

■ 37.9297, 0.2881,
0.3866

■ 33.2512, 0.2744,
0.4927

■ 39.5946, 0.2946,
0.3682

■ 32.9155, 0.2768,
0.5128

■ 41.5367, 0.3015,
0.3514

■ 32.7921, 0.2782,
0.5216

■ 43.7681, 0.3088,
0.3364

■ 46.3007, 0.3161,
0.3230

■ 49.1452, 0.3234,
0.3111

■ 52.3120, 0.3305,
0.3007

■ 55.8111, 0.3373,
0.2916

Harmonies

Analogous

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



35.3757, 0.3464, 0.4599



35.3757, 0.2780, 0.4276



35.3757, 0.2226, 0.3573

Triad

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



35.3757, 0.2780, 0.4276



35.3757, 0.2163, 0.2207



35.3757, 0.4495, 0.3471

Complementary

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



35.3757, 0.2780, 0.4276



17.0879, 0.3798, 0.2506

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.



35.3757, 0.4069, 0.2956



35.3757, 0.2780, 0.4276



35.3757, 0.2671, 0.2264

Square

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



35.3757, 0.2780, 0.4276



35.3757, 0.1911, 0.2395



35.3757, 0.3369, 0.2531



35.3757, 0.4487, 0.4001

Rectangle

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



35.3757, 0.2780, 0.4276



35.3757, 0.1996, 0.3080



35.3757, 0.3369, 0.2531



35.3757, 0.4397, 0.3294

Sweetspot

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



35.3771, 0.2780, 0.4276



73.6673, 0.3002, 0.3546



38.0633, 0.3499, 0.4802



16.1641, 0.2988, 0.3578



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



35.3771, 0.2780, 0.4276



61.4584, 0.2746, 0.4533



36.9411, 0.2473, 0.3395



9.5494, 0.3059, 0.3422



23.1819, 0.2776, 0.5195



0.7412, 0.2620, 0.4630

Inverse Universe

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



17.0879, 0.3798, 0.2506



25.4750, 0.4016, 0.2384



15.9927, 0.4638, 0.3203



8.5830, 0.3202, 0.3162



7.4520, 0.4658, 0.2340



0.2459, 0.4153, 0.2061

Previews

White Background



This preview shows how the Yxy color 35.3757, 0.2780, 0.4276 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 35.3757, 0.2780, 0.4276 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 35.3757, 0.2780, 0.4276

Background



This preview shows how black text looks on a background with the Yxy color 35.3757, 0.2780, 0.4276.



This preview shows how white text looks on a background with the Yxy color 35.3757, 0.2780, 0.4276.

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

35.3757, 0.2780, 0.4276

Protanopia

34.7818, 0.3681, 0.3946

Deuteranopia

34.6817, 0.3697, 0.3626



Tritanopia

35.2253, 0.2470, 0.3069

Trichromacy



Original Color

35.3757, 0.2780, 0.4276



Protanomaly

34.0458, 0.3293, 0.4078



Deuteranomaly

33.5760, 0.3293, 0.3842



Tritanomaly

35.1049, 0.2580, 0.3487

Monochromacy



Original Color

35.3757, 0.2780, 0.4276



Achromatopsia

27.4677, 0.3127, 0.3290



Achromatomaly

29.5476, 0.2960, 0.3632

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.3757, 0.2780, 0.4276 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, 179, 123)` looks like.

```
.text, #text, p{  
    color:rgb(80, 179, 123)  
}
```

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, 179, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 179, 123) }
```

Border

The CSS property to change the border of an element to Yxy 35.3757, 0.2780, 0.4276 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, 179, 123) }
```

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

```
.border{ border-color:rgb(80, 179, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 179, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 179, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 179, 123);  
box-shadow:4px 4px 4px 4px rgb(80, 179,  
123) }
```


Background

The CSS property to change the background color of an element to Yxy 35.3757, 0.2780, 0.4276 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 179, 123) }
```

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

```
.background{ background-color: rgb(80, 179,  
123) }
```

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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