

Converting Colors

$Yxy(33.8572, 0.2784, 0.4259)$

Have a look what the booklet for
Yxy(33.8572, 0.2784, 0.4259)
contains.

Yxy(33.7459, 0.2786, 0.4257)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(33.7459, 0.2786, 0.4257)

Conversions

Conversions Part 1

Format	Color
Hex	50AF79
RGB	80, 175, 121
RGB Percent	31%, 69%, 47%
CMY	0.6866, 0.3137, 0.5255
CMYK	0.54, 0.00, 0.31, 0.31
HSL	146°, 37%, 50%
HSV	146°, 54%, 69%
XYZ	22.0851, 33.7459, 23.4406
YIQ	140.4390, -39.2860, -36.9340

Conversions

Conversions Part 2

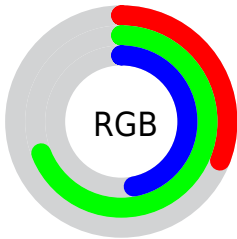
Format	Color
RYB	80, 146, 175
Decimal	5287801
CIELab	64.76, -40.71, 19.38
CIELCh	65, 45.090, 154.552
Yxy	33.7459, 0.2786, 0.4257
Android (android.graphics.Color)	4283477881 (0xFF50AF79)
YUV	140.4390, -9.5834, -53.0050
Hunter-Lab	58.0912, -33.7977, 16.7395

Details

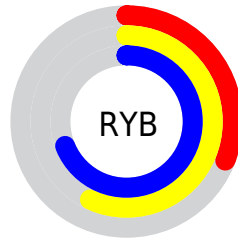
The Yxy color **33.7459, 0.2786, 0.4257** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **16.5613, 0.3774, 0.2516**, and the grayscale version is **26.4486, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.4421, 0.2862, 0.4039**, and **14.4651, 0.2651, 0.4631** is the 20% darker color. If you saturate the color by 10%, you get **32.8515, 0.2754, 0.4475**, and if you desaturate by 10%, it is **34.8666, 0.2832, 0.4046**.

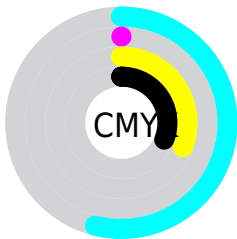
Distribution



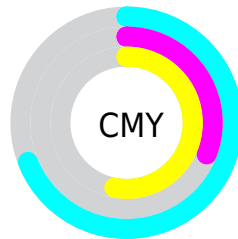
- Red (31%)
- Green (69%)
- Blue (47%)



- Red (31%)
- Yellow (57%)
- Blue (69%)



- Cyan (54%)
- Magenta (0%)
- Yellow (31%)
- Black (31%)





- Cyan (69%)
- Magenta (31%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.7459, 0.2786, 0.4257 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 33.7459, 0.2786, 0.4257 by changing the saturation by 10% instead.


 33.7459, 0.2786,
0.4257


 33.7459, 0.2786,
0.4257


318.9975, 0.2980,
0.3719


 22.6985, 0.2728,
0.4412


 65.5383, 0.2863,
0.4047

 14.3710, 0.2648,
0.4625


 87.0521, 0.2890,
0.3972

 8.3792, 0.2529,
0.4935


 112.8235, 0.2912,
0.3911

 4.3385, 0.2336,
0.5421

 143.2368, 0.2930,
0.3860

 1.8647, 0.1963,
0.6546

 178.6764, 0.2945,
0.3817

 0.5270, 0.0000,
1.0000

219.5269, 0.2959,

 0.0000, 0.0000,

0.3780

0.0000

266.1724, 0.2970,
0.3747

■ 33.7459, 0.2786,
0.4257

■ 33.7459, 0.2786,
0.4257

■ 32.8515, 0.2754,
0.4475

■ 34.8666, 0.2832,
0.4046

■ 32.1626, 0.2740,
0.4696

■ 36.2241, 0.2889,
0.3848

■ 31.6617, 0.2744,
0.4911

■ 37.8334, 0.2954,
0.3665

■ 31.3261, 0.2767,
0.5113

■ 39.7069, 0.3023,
0.3499

■ 31.1807, 0.2784,
0.5222

■ 41.8562, 0.3096,
0.3350

■ 44.2921, 0.3168,
0.3217

■ 47.0251, 0.3240,
0.3099

■ 50.0648, 0.3310,
0.2996

■ 53.4207, 0.3378,
0.2906

Harmonies

Analogous

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



33.7459, 0.3459, 0.4576



33.7459, 0.2786, 0.4257



33.7459, 0.2240, 0.3568

Triad

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



33.7459, 0.2786, 0.4257



33.7459, 0.2178, 0.2222



33.7459, 0.4472, 0.3471

Complementary

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



33.7459, 0.2786, 0.4257



16.5613, 0.3774, 0.2516

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.



33.7459, 0.4054, 0.2963



33.7459, 0.2786, 0.4257



33.7459, 0.2679, 0.2279

Square

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



33.7459, 0.2786, 0.4257



33.7459, 0.1928, 0.2409



33.7459, 0.3367, 0.2542



33.7459, 0.4466, 0.3994

Rectangle

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



33.7459, 0.2786, 0.4257



33.7459, 0.2012, 0.3084



33.7459, 0.3367, 0.2542



33.7459, 0.4377, 0.3297

Sweetspot

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



33.7473, 0.2786, 0.4257



70.4124, 0.3009, 0.3530



36.4260, 0.3510, 0.4765



15.4956, 0.2995, 0.3563



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



33.7473, 0.2786, 0.4257



58.5799, 0.2751, 0.4515



35.1599, 0.2492, 0.3420



8.9947, 0.3060, 0.3422



22.3382, 0.2778, 0.5200



0.6325, 0.2606, 0.4583

Inverse Universe

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



16.5613, 0.3774, 0.2516



24.6294, 0.3989, 0.2389



15.5441, 0.4563, 0.3181



8.0887, 0.3201, 0.3162



7.1899, 0.4644, 0.2332



0.2107, 0.4103, 0.2034

Previews

White Background



This preview shows how the Yxy color 33.7459, 0.2786, 0.4257 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 33.7459, 0.2786, 0.4257 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 33.7459, 0.2786, 0.4257

Background



This preview shows how black text looks on a background with the Yxy color 33.7459, 0.2786, 0.4257.



This preview shows how white text looks on a background with the Yxy color 33.7459, 0.2786, 0.4257.

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

33.7459, 0.2786, 0.4257

Protanopia

33.2940, 0.3661, 0.3930

Deuteranopia

33.1688, 0.3687, 0.3619



Tritanopia

33.5150, 0.2477, 0.3065

Trichromacy



Original Color

33.7459, 0.2786, 0.4257



Protanomaly

32.6896, 0.3278, 0.4059



Deuteranomaly

32.2062, 0.3287, 0.3835



Tritanomaly

33.4768, 0.2589, 0.3474

Monochromacy



Original Color

33.7459, 0.2786, 0.4257



Achromatopsia

26.2251, 0.3127, 0.3290



Achromatomaly

28.3275, 0.2966, 0.3638

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.7459, 0.2786, 0.4257 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, 175, 121)` looks like.

```
.text, #text, p{  
    color:rgb(80, 175, 121)  
}
```

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, 175, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 175, 121) }
```

Border

The CSS property to change the border of an element to Yxy 33.7459, 0.2786, 0.4257 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, 175, 121) }
```

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

```
.border{ border-color:rgb(80, 175, 121) }
```

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

Here you see how a box with a 4 pixel rgb(80, 175, 121) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 175, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 175, 121);  
box-shadow:4px 4px 4px 4px rgb(80, 175,  
121) }
```


Background

The CSS property to change the background color of an element to Yxy 33.7459, 0.2786, 0.4257 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 175, 121) }
```

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

```
.background{ background-color: rgb(80, 175,  
121) }
```

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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