

Converting Colors

$Y_{xy}(34.8163, 0.2529, 0.3967)$

Have a look what the booklet for
Yxy(34.8163, 0.2529, 0.3967)
contains.

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Color

Yxy(34.8163, 0.2529, 0.3967)

Conversions

Conversions Part 1

Format	Color
Hex	31B38D
RGB	49, 179, 141
RGB Percent	19%, 70%, 55%
CMY	0.8077, 0.2980, 0.4470
CMYK	0.73, 0.00, 0.21, 0.30
HSL	162°, 57%, 45%
HSV	162°, 73%, 70%
XYZ	22.1957, 34.8163, 30.7528
YIQ	135.7980, -65.2820, -39.3780

Conversions

Conversions Part 2

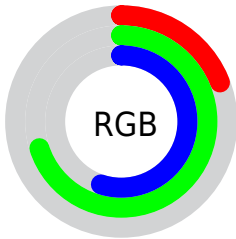
Format	Color
RYB	49, 125, 179
Decimal	3257229
CIELab	65.61, -43.84, 9.48
CIELCh	66, 44.857, 167.803
Yxy	34.8163, 0.2529, 0.3967
Android (android.graphics.Color)	4281447309 (0xFF31B38D)
YUV	135.7980, 2.5646, -76.1218
Hunter-Lab	59.0053, -36.1140, 10.4026

Details

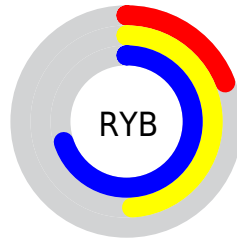
The Yxy color **34.8163, 0.2529, 0.3967** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **12.4711, 0.4846, 0.2823**, and the grayscale version is **24.5532, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.4417, 0.2647, 0.3826**, and **15.4226, 0.2490, 0.4165** is the 20% darker color. If you saturate the color by 10%, you get **34.3052, 0.2510, 0.4077**, and if you desaturate by 10%, it is **35.5142, 0.2568, 0.3858**.

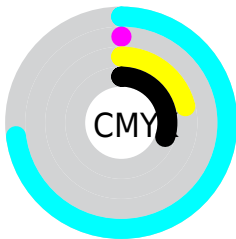
Distribution



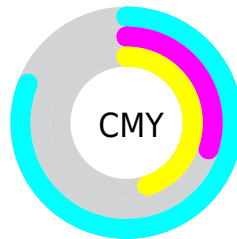
- Red (19%)
- Green (70%)
- Blue (55%)



- Red (19%)
- Yellow (49%)
- Blue (70%)



- Cyan (73%)
- Magenta (0%)
- Yellow (21%)
- Black (30%)





- Cyan (81%)
- Magenta (30%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.8163, 0.2529, 0.3967 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 34.8163, 0.2529, 0.3967 by changing the saturation by 10% instead.


 34.8163, 0.2529,
0.3967


 34.8163, 0.2529,
0.3967


323.7567, 0.2848,
0.3599

 23.5214, 0.2443,
0.4070


 67.2011, 0.2650,
0.3825


 14.9790, 0.2328,
0.4209


 89.0598, 0.2693,
0.3775


 8.8046, 0.2168,
0.4408


 115.2085, 0.2730,
0.3733

 4.6140, 0.1932,
0.4713

 146.0317, 0.2761,
0.3697

 2.0226, 0.1491,
0.5273

 181.9137, 0.2787,
0.3667

 0.6206, 0.0000,
0.9794

223.2390, 0.2810,

 0.0000, 0.0000,

0.3641

0.0000

270.3918, 0.2830,
0.3619

■ 34.8163, 0.2529,
0.3967

■ 34.8163, 0.2529,
0.3967

■ 34.3052, 0.2510,
0.4077

■ 35.5142, 0.2568,
0.3858

■ 33.9543, 0.2510,
0.4187

■ 36.4137, 0.2625,
0.3752

■ 33.7646, 0.2519,
0.4267

■ 37.5324, 0.2698,
0.3650

■ 38.8852, 0.2785,
0.3554

■ 40.4854, 0.2882,
0.3465

■ 42.3454, 0.2988,
0.3383

■ 44.4767, 0.3098,
0.3308

■ 46.8903, 0.3211,
0.3241

■ 49.5962, 0.3324,
0.3181

Harmonies

Analogous

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



34.8163, 0.3159, 0.4476



34.8163, 0.2529, 0.3967



34.8163, 0.2090, 0.3243

Triad

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



34.8163, 0.2529, 0.3967



34.8163, 0.2381, 0.2233



34.8163, 0.4502, 0.3702

Complementary

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



34.8163, 0.2529, 0.3967



12.4711, 0.4846, 0.2823

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.



34.8163, 0.4268, 0.3184



34.8163, 0.2529, 0.3967



34.8163, 0.2971, 0.2384

Square

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



34.8163, 0.2529, 0.3967



34.8163, 0.2021, 0.2308



34.8163, 0.3678, 0.2720



34.8163, 0.4317, 0.4194

Rectangle

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



34.8163, 0.2529, 0.3967



34.8163, 0.1946, 0.2816



34.8163, 0.3678, 0.2720



34.8163, 0.4472, 0.3528

Sweetspot

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



34.8177, 0.2529, 0.3967



72.5814, 0.2885, 0.3463



34.5383, 0.3249, 0.5420



15.9003, 0.2858, 0.3486



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.



34.8177, 0.2529, 0.3967



61.0386, 0.2508, 0.4141



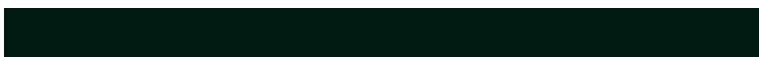
26.6929, 0.2208, 0.2834



9.5884, 0.3023, 0.3357



23.8711, 0.2515, 0.4254



0.7607, 0.2431, 0.3951

Inverse Universe

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



12.4711, 0.4846, 0.2823



18.8254, 0.5419, 0.2868



14.8409, 0.5266, 0.3608



8.5448, 0.3243, 0.3224



6.9596, 0.5754, 0.2943



0.2294, 0.4948, 0.2499

Previews

White Background



This preview shows how the Yxy color 34.8163, 0.2529, 0.3967 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 34.8163, 0.2529, 0.3967 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

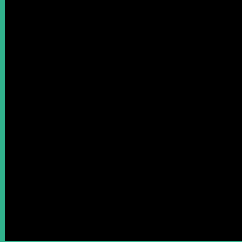
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 34.8163, 0.2529, 0.3967

Background



This preview shows how black text looks on a background with the Yxy color 34.8163, 0.2529, 0.3967.



This preview shows how white text looks on a background with the Yxy color 34.8163, 0.2529, 0.3967.

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

34.8163, 0.2529, 0.3967

Protanopia

34.2809, 0.3480, 0.3706

Deuteranopia

34.3540, 0.3441, 0.3376



Tritanopia

34.8146, 0.2332, 0.3063

Trichromacy



Original Color

34.8163, 0.2529, 0.3967



Protanomaly

33.2788, 0.3013, 0.3820



Deuteranomaly

32.7103, 0.2985, 0.3565



Tritanomaly

34.6190, 0.2400, 0.3372

Monochromacy



Original Color

34.8163, 0.2529, 0.3967



Achromatopsia

24.6201, 0.3127, 0.3290



Achromatomaly

27.2345, 0.2798, 0.3540

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.8163, 0.2529, 0.3967 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(49, 179, 141)` looks like.

```
.text, #text, p{  
  color:rgb(49, 179, 141)  
}
```

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(49, 179, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 179, 141) }
```

Border

The CSS property to change the border of an element to Yxy 34.8163, 0.2529, 0.3967 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(49, 179, 141) }
```

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

```
.border{ border-color:rgb(49, 179, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 179, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 179, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 179, 141);  
box-shadow:4px 4px 4px 4px rgb(49, 179,  
141) }
```


Background

The CSS property to change the background color of an element to Yxy 34.8163, 0.2529, 0.3967 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 179, 141) }
```

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

```
.background{ background-color: rgb(49, 179,  
141) }
```

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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