

Converting Colors

$Y_{xy}(34.1876, 0.2525, 0.4282)$

Have a look what the booklet for
Yxy(34.1876, 0.2525, 0.4282)
contains.

Yxy(34.1877, 0.2523, 0.4275)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(34.1877, 0.2523, 0.4275)

Conversions

Conversions Part 1

Format	Color
Hex	02B47F
RGB	2, 180, 127
RGB Percent	1%, 71%, 50%
CMY	0.9917, 0.2941, 0.5020
CMYK	0.99, 0.00, 0.29, 0.29
HSL	162°, 98%, 36%
HSV	162°, 99%, 71%
XYZ	20.1767, 34.1877, 25.6068
YIQ	120.7360, -89.0750, -54.2190

Conversions

Conversions Part 2

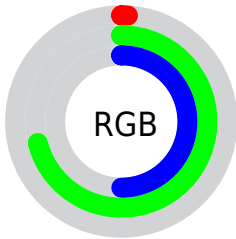
Format	Color
RYB	2, 107, 180
Decimal	177279
CIELab	65.11, -51.35, 16.40
CIELCh	65, 53.903, 162.292
Yxy	34.1877, 0.2523, 0.4275
Android (android.graphics.Color)	4278367359 (0xFF02B47F)
YUV	120.7360, 3.0882, -104.1315
Hunter-Lab	58.4702, -40.7267, 14.9634

Details

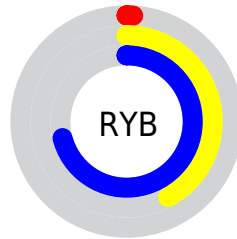
The Yxy color **34.1877, 0.2523, 0.4275** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **10.0264, 0.5730, 0.2940**, and the grayscale version is **19.0525, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.2966, 0.2649, 0.4061**, and **15.4718, 0.2596, 0.4546** is the 20% darker color. If you saturate the color by 10%, you get **34.1592, 0.2525, 0.4288**, and if you desaturate by 10%, it is **34.4689, 0.2513, 0.4164**.

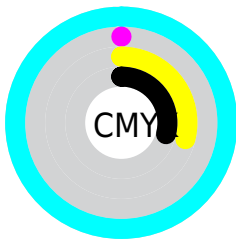
Distribution



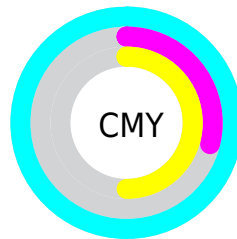
- Red (1%)
- Green (71%)
- Blue (50%)



- Red (1%)
- Yellow (42%)
- Blue (71%)



- Cyan (99%)
- Magenta (0%)
- Yellow (29%)
- Black (29%)




- Cyan (99%)
- Magenta (29%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 34.1877, 0.2523, 0.4275 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 34.1877, 0.2523, 0.4275 by changing the saturation by 10% instead.


 34.1877, 0.2523,
0.4275


 34.1877, 0.2523,
0.4275


 320.9682, 0.2853,
0.3728


 23.0378, 0.2430,
0.4432


 66.2255, 0.2650,
0.4062


 14.6214, 0.2305,
0.4648


 87.8821, 0.2696,
0.3986


 8.5541, 0.2127,
0.4961


 113.8099, 0.2734,
0.3924

 4.4515, 0.1856,
0.5449

 144.3930, 0.2765,
0.3872

 1.9292, 0.1144,
0.6560

 180.0161, 0.2792,
0.3827

 0.5659, 0.0000,
1.0000

 221.0633, 0.2815,

 0.0000, 0.0000,

0.3790

0.0000

267.9193, 0.2836,
0.3757

■ 34.1877, 0.2523,
0.4275

■ 34.1877, 0.2523,
0.4275

■ 34.1592, 0.2525,
0.4288

■ 34.4689, 0.2513,
0.4164

■ 34.8843, 0.2519,
0.4052

■ 35.4729, 0.2545,
0.3939

■ 36.2558, 0.2591,
0.3829

■ 37.2510, 0.2654,
0.3722

■ 38.4746, 0.2732,
0.3620

■ 39.9408, 0.2823,
0.3524

■ 41.6629, 0.2923,
0.3436

■ 43.6531, 0.3029,
0.3355

Harmonies

Analogous

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



34.1877, 0.3287, 0.4803



34.1877, 0.2523, 0.4275



34.1877, 0.1966, 0.3376

Triad

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



34.1877, 0.2523, 0.4275



34.1877, 0.2142, 0.2046



34.1877, 0.4767, 0.3628

Complementary

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



34.1877, 0.2523, 0.4275



10.0264, 0.5730, 0.2940

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.



34.1877, 0.4401, 0.3039



34.1877, 0.2523, 0.4275



34.1877, 0.2785, 0.2179

Square

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



34.1877, 0.2523, 0.4275



34.1877, 0.1787, 0.2171



34.1877, 0.3628, 0.2530



34.1877, 0.4608, 0.4226

Rectangle

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



34.1877, 0.2523, 0.4275



34.1877, 0.1769, 0.2829



34.1877, 0.3628, 0.2530



34.1877, 0.4704, 0.3427

Sweetspot

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



34.1890, 0.2523, 0.4275



71.9396, 0.2807, 0.3540



33.4740, 0.3147, 0.5874



15.3054, 0.2769, 0.3579



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.



34.1890, 0.2523, 0.4275



61.8927, 0.2530, 0.4306



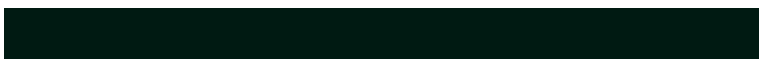
23.3839, 0.2070, 0.2645



9.5875, 0.3024, 0.3359



23.8524, 0.2521, 0.4275



0.7602, 0.2435, 0.3965

Inverse Universe

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



10.0264, 0.5730, 0.2940



18.0354, 0.5807, 0.2973



11.0744, 0.6145, 0.3487



8.5456, 0.3242, 0.3222



6.9664, 0.5733, 0.2932



0.2297, 0.4928, 0.2488

Previews

White Background



This preview shows how the Yxy color 34.1877, 0.2523, 0.4275 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 34.1877, 0.2523, 0.4275 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 34.1877, 0.2523, 0.4275

Background



This preview shows how black text looks on a background with the Yxy color 34.1877, 0.2523, 0.4275.

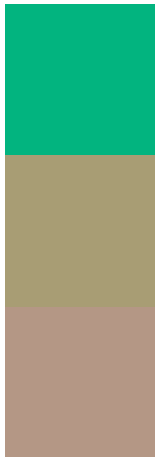


This preview shows how white text looks on a background with the Yxy color 34.1877, 0.2523, 0.4275.

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

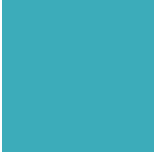
34.1877, 0.2523, 0.4275

Protanopia

33.6997, 0.3628, 0.3899

Deuteranopia

33.5300, 0.3610, 0.3548



Tritanopia

34.0109, 0.2292, 0.3059

Trichromacy



Original Color

34.1877, 0.2523, 0.4275



Protanomaly

31.4545, 0.2987, 0.4079



Deuteranomaly

31.1242, 0.2958, 0.3823



Tritanomaly

33.8079, 0.2350, 0.3461

Monochromacy



Original Color

34.1877, 0.2523, 0.4275



Achromatopsia

19.1202, 0.3127, 0.3290



Achromatomaly

22.3958, 0.2688, 0.3672

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.1877, 0.2523, 0.4275 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(2, 180, 127)` looks like.

```
.text, #text, p{  
  color:rgb(2, 180, 127)  
}
```

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(2, 180, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 180, 127) }
```

Border

The CSS property to change the border of an element to Yxy 34.1877, 0.2523, 0.4275 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(2, 180, 127) }
```

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

```
.border{ border-color:rgb(2, 180, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 180, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 180, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 180, 127);  
box-shadow:4px 4px 4px 4px rgb(2, 180,  
127) }
```


Background

The CSS property to change the background color of an element to Yxy 34.1877, 0.2523, 0.4275 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 180, 127) }
```

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

```
.background{ background-color: rgb(2, 180,  
127) }
```

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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