

Converting Colors

$Yxy(34.0905, 0.2638, 0.4199)$

Have a look what the booklet for
Yxy(34.0905, 0.2638, 0.4199)
contains.

Yxy(34.2726, 0.2643, 0.4214)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(34.2726, 0.2643, 0.4214)

Conversions

Conversions Part 1

Format	Color
Hex	3AB27F
RGB	58, 178, 127
RGB Percent	23%, 70%, 50%
CMY	0.7726, 0.3019, 0.5019
CMYK	0.67, 0.00, 0.29, 0.30
HSL	155°, 51%, 46%
HSV	155°, 67%, 70%
XYZ	21.4956, 34.2726, 25.5621
YIQ	136.3060, -55.1490, -41.3010

Conversions

Conversions Part 2

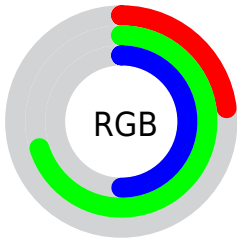
Format	Color
RYB	58, 134, 178
Decimal	3846783
CIELab	65.18, -45.28, 16.58
CIELCh	65, 48.217, 159.884
Yxy	34.2726, 0.2643, 0.4214
Android (android.graphics.Color)	4282036863 (0xFF3AB27F)
YUV	136.3060, -4.5879, -68.6744
Hunter-Lab	58.5428, -36.9087, 15.0916

Details

The Yxy color **34.2726, 0.2643, 0.4214** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **13.5943, 0.4342, 0.2608**, and the grayscale version is **24.7738, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.6339, 0.2747, 0.4018**, and **14.9654, 0.2586, 0.4509** is the 20% darker color. If you saturate the color by 10%, you get **33.6398, 0.2624, 0.4379**, and if you desaturate by 10%, it is **35.1074, 0.2681, 0.4052**.

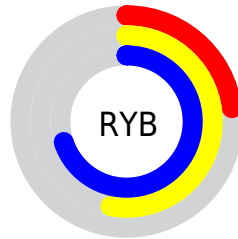
Distribution



Red (23%)

Green (70%)

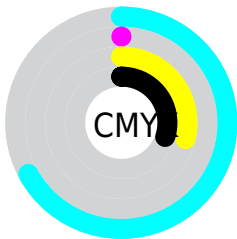
Blue (50%)



Red (23%)

Yellow (53%)

Blue (70%)

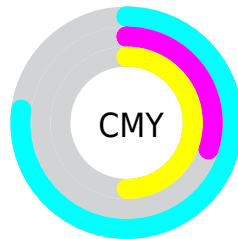


Cyan (67%)

Magenta (0%)

Yellow (29%)

Black (30%)



Cyan (77%)


Magenta (30%)

Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.2726, 0.2643, 0.4214 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 34.2726, 0.2643, 0.4214 by changing the saturation by 10% instead.


 34.2726, 0.2643,
0.4214


 34.2726, 0.2643,
0.4214

321.3459, 0.2910,
0.3702


 23.1031, 0.2567,
0.4361


 66.3574, 0.2746,
0.4014


 14.6697, 0.2464,
0.4562


 88.0414, 0.2783,
0.3944


 8.5879, 0.2316,
0.4854


 113.9991, 0.2813,
0.3885

 4.4734, 0.2086,
0.5310

 144.6148, 0.2839,
0.3837

 1.9417, 0.1585,
0.6256

 180.2729, 0.2861,
0.3795

 0.5733, 0.0000,
1.0000

221.3579, 0.2879,

 0.0000, 0.0000,

0.3760

0.0000

268.2541, 0.2895,
0.3729

■ 34.2726, 0.2643,
0.4214

■ 34.2726, 0.2643,
0.4214

■ 33.6398, 0.2624,
0.4379

■ 35.1074, 0.2681,
0.4052

■ 33.1845, 0.2625,
0.4543

■ 36.1574, 0.2735,
0.3895

■ 32.8778, 0.2645,
0.4702

■ 37.4394, 0.2803,
0.3747

■ 32.8089, 0.2651,
0.4743

■ 38.9676, 0.2881,
0.3609

■ 40.7548, 0.2967,
0.3482

■ 42.8128, 0.3058,
0.3368

■ 45.1530, 0.3151,
0.3265

■ 47.7858, 0.3245,
0.3173

■ 50.7212, 0.3337,
0.3092

Harmonies

Analogous

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



34.2726, 0.3344, 0.4643



34.2726, 0.2643, 0.4214



34.2726, 0.2110, 0.3440

Triad

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



34.2726, 0.2643, 0.4214



34.2726, 0.2199, 0.2157



34.2726, 0.4589, 0.3572

Complementary

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



34.2726, 0.2643, 0.4214



13.5943, 0.4342, 0.2608

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.



34.2726, 0.4220, 0.3031



34.2726, 0.2643, 0.4214



34.2726, 0.2768, 0.2259

Square

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



34.2726, 0.2643, 0.4214



34.2726, 0.1891, 0.2301



34.2726, 0.3517, 0.2569



34.2726, 0.4496, 0.4117

Rectangle

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



34.2726, 0.2643, 0.4214



34.2726, 0.1908, 0.2941



34.2726, 0.3517, 0.2569



34.2726, 0.4517, 0.3387

Sweetspot

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



34.2740, 0.2643, 0.4214



72.9055, 0.2942, 0.3518



35.4624, 0.3389, 0.5199



15.9506, 0.2918, 0.3553



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.



34.2740, 0.2643, 0.4214



60.5517, 0.2622, 0.4461



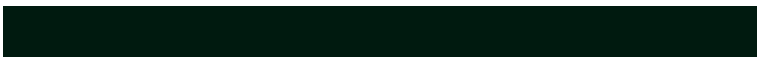
32.8642, 0.2318, 0.3154



9.5693, 0.3041, 0.3388



23.4868, 0.2646, 0.4725



0.7504, 0.2522, 0.4279

Inverse Universe

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



13.5943, 0.4342, 0.2608



20.4265, 0.4773, 0.2577



13.6660, 0.5233, 0.3394



8.5632, 0.3223, 0.3194



7.1541, 0.5241, 0.2661



0.2369, 0.4537, 0.2273

Previews

White Background



This preview shows how the Yxy color 34.2726, 0.2643, 0.4214 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 34.2726, 0.2643, 0.4214 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

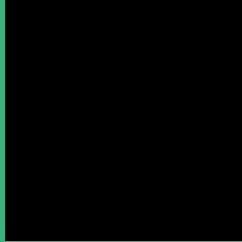
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.2726, 0.2643, 0.4214

Background



This preview shows how black text looks on a background with the Yxy color 34.2726, 0.2643, 0.4214.



This preview shows how white text looks on a background with the Yxy color 34.2726, 0.2643, 0.4214.

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

34.2726, 0.2643, 0.4214

Protanopia

33.7231, 0.3618, 0.3884

Deuteranopia

33.6504, 0.3621, 0.3547



Tritanopia

34.2920, 0.2381, 0.3079

Trichromacy



Original Color

34.2726, 0.2643, 0.4214



Protanomaly

32.8799, 0.3156, 0.4021



Deuteranomaly

32.3627, 0.3152, 0.3778



Tritanomaly

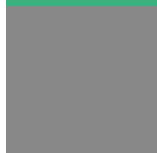
34.2942, 0.2474, 0.3475

Monochromacy



Original Color

34.2726, 0.2643, 0.4214



Achromatopsia

24.6201, 0.3127, 0.3290



Achromatomaly

27.0148, 0.2873, 0.3613

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.2726, 0.2643, 0.4214 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(58, 178, 127)` looks like.

```
.text, #text, p{  
    color:rgb(58, 178, 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(58, 178, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 178, 127) }
```

Border

The CSS property to change the border of an element to Yxy 34.2726, 0.2643, 0.4214 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(58, 178, 127) }
```

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

```
.border{ border-color:rgb(58, 178, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 178, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 178, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 178, 127);  
box-shadow:4px 4px 4px 4px rgb(58, 178,  
127) }
```


Background

The CSS property to change the background color of an element to Yxy 34.2726, 0.2643, 0.4214 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 178, 127) }
```

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

```
.background{ background-color: rgb(58, 178,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor