

Converting Colors

$Yxy(34.7627, 0.2599, 0.4343)$

Have a look what the booklet for
Yxy(34.7627, 0.2599, 0.4343)
contains.

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Color

Yxy(34.8529, 0.2602, 0.4354)

Conversions

Conversions Part 1

Format	Color
Hex	24B57B
RGB	36, 181, 123
RGB Percent	14%, 71%, 48%
CMY	0.8585, 0.2902, 0.5177
CMYK	0.80, 0.00, 0.32, 0.29
HSL	156°, 67%, 43%
HSV	156°, 80%, 71%
XYZ	20.8285, 34.8529, 24.3666
YIQ	131.0330, -67.8020, -48.7780

Conversions

Conversions Part 2

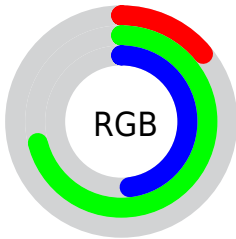
Format	Color
RYB	36, 127, 181
Decimal	2405755
CIELab	65.63, -50.42, 19.32
CIELCh	66, 54.000, 159.033
Yxy	34.8529, 0.2602, 0.4354
Android (android.graphics.Color)	4280595835 (0xFF24B57B)
YUV	131.0330, -3.9603, -83.3439
Hunter-Lab	59.0363, -40.3374, 16.8541

Details

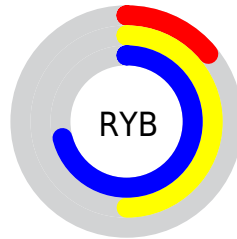
The Yxy color **34.8529, 0.2602, 0.4354** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **11.9007, 0.4785, 0.2623**, and the grayscale version is **22.7515, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.3478, 0.2714, 0.4121**, and **15.6732, 0.2632, 0.4673** is the 20% darker color. If you saturate the color by 10%, you get **34.4313, 0.2607, 0.4508**, and if you desaturate by 10%, it is **35.4553, 0.2617, 0.4199**.

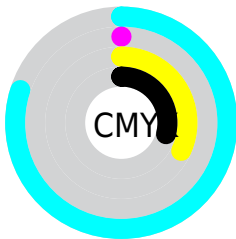
Distribution



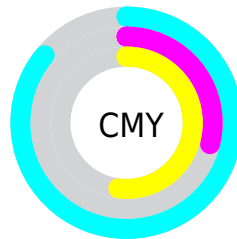
- Red (14%)
- Green (71%)
- Blue (48%)



- Red (14%)
- Yellow (50%)
- Blue (71%)



- Cyan (80%)
- Magenta (0%)
- Yellow (32%)
- Black (29%)




- Cyan (86%)
- Magenta (29%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.8529, 0.2602, 0.4354 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 34.8529, 0.2602, 0.4354 by changing the saturation by 10% instead.


 34.8529, 0.2602,
0.4354


 34.8529, 0.2602,
0.4354


323.9186, 0.2893,
0.3762


 23.5496, 0.2519,
0.4524

 67.2578, 0.2715,
0.4123

 14.9998, 0.2405,
0.4758


 89.1282, 0.2756,
0.4041

 8.8193, 0.2241,
0.5096


 115.2898, 0.2789,
0.3974

 4.6235, 0.1987,
0.5623

 146.1269, 0.2816,
0.3918

 2.0281, 0.1392,
0.6815

 182.0239, 0.2840,
0.3870

 0.6237, 0.0000,
1.0000

223.3653, 0.2860,

 0.0000, 0.0000,

0.3829

0.0000

270.5353, 0.2878,
0.3793

■ 34.8529, 0.2602,
0.4354

■ 34.8529, 0.2602,
0.4354

■ 34.4313, 0.2607,
0.4508

■ 35.4553, 0.2617,
0.4199

■ 34.1421, 0.2627,
0.4657

■ 36.2566, 0.2652,
0.4046

■ 37.2769, 0.2704,
0.3897

■ 38.5327, 0.2771,
0.3756

■ 40.0390, 0.2850,
0.3623

■ 41.8095, 0.2937,
0.3502

■ 43.8566, 0.3030,
0.3391

■ 46.1923, 0.3127,
0.3291

■ 48.8277, 0.3224,
0.3201

Harmonies

Analogous

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



34.8529, 0.3373, 0.4814



34.8529, 0.2602, 0.4354



34.8529, 0.2017, 0.3474

Triad

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



34.8529, 0.2602, 0.4354



34.8529, 0.2094, 0.2051



34.8529, 0.4746, 0.3562

Complementary

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



34.8529, 0.2602, 0.4354



11.9007, 0.4785, 0.2623

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.



34.8529, 0.4326, 0.2981



34.8529, 0.2602, 0.4354



34.8529, 0.2705, 0.2158

Square

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



34.8529, 0.2602, 0.4354



34.8529, 0.1771, 0.2207



34.8529, 0.3532, 0.2486



34.8529, 0.4642, 0.4160

Rectangle

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



34.8529, 0.2602, 0.4354



34.8529, 0.1796, 0.2912



34.8529, 0.3532, 0.2486



34.8529, 0.4663, 0.3363

Sweetspot

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



34.8543, 0.2602, 0.4354



73.4446, 0.2898, 0.3553



35.6878, 0.3350, 0.5505



15.6376, 0.2868, 0.3596



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.



34.8543, 0.2602, 0.4354



61.2759, 0.2623, 0.4620



32.0605, 0.2235, 0.3083



9.5728, 0.3037, 0.3383



23.5510, 0.2622, 0.4638



0.7522, 0.2505, 0.4217

Inverse Universe

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



11.9007, 0.4785, 0.2623



18.7089, 0.5303, 0.2718



12.0791, 0.5766, 0.3407



8.5598, 0.3226, 0.3199



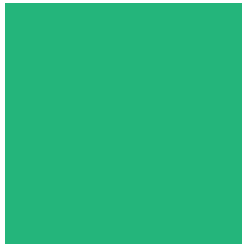
7.1118, 0.5342, 0.2716



0.2355, 0.4607, 0.2312

Previews

White Background



This preview shows how the Yxy color 34.8529, 0.2602, 0.4354 looks on a white background.

Color Contrast Check

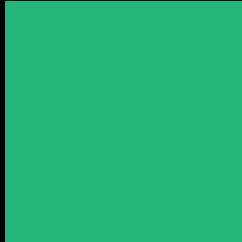
Large Text (above 18pt) WCAG AA × Fail

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 34.8529, 0.2602, 0.4354 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

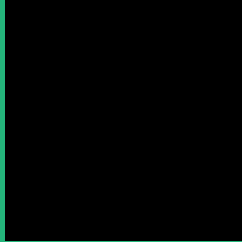
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.8529, 0.2602, 0.4354

Background



This preview shows how black text looks on a background with the Yxy color 34.8529, 0.2602, 0.4354.



This preview shows how white text looks on a background with the Yxy color 34.8529, 0.2602, 0.4354.

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

34.8529, 0.2602, 0.4354

Protanopia

34.1920, 0.3674, 0.3952

Deuteranopia

34.1355, 0.3670, 0.3601



Tritanopia

34.7771, 0.2328, 0.3063

Trichromacy



Original Color

34.8529, 0.2602, 0.4354



Protanomaly

32.6217, 0.3124, 0.4120



Deuteranomaly

32.4725, 0.3127, 0.3885



Tritanomaly

34.6305, 0.2418, 0.3493

Monochromacy



Original Color

34.8529, 0.2602, 0.4354



Achromatopsia

22.6966, 0.3127, 0.3290



Achromatomaly

25.5402, 0.2808, 0.3684

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.8529, 0.2602, 0.4354 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(36, 181, 123)` looks like.

```
.text, #text, p{  
    color:rgb(36, 181, 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(36, 181, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 181, 123) }
```

Border

The CSS property to change the border of an element to Yxy 34.8529, 0.2602, 0.4354 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(36, 181, 123) }
```

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

```
.border{ border-color:rgb(36, 181, 123) }
```

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

Here you see how a box with a 4 pixel rgb(36, 181, 123) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 181, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 181, 123);  
box-shadow:4px 4px 4px 4px rgb(36, 181,  
123) }
```


Background

The CSS property to change the background color of an element to Yxy 34.8529, 0.2602, 0.4354 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 181, 123) }
```

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

```
.background{ background-color: rgb(36, 181,  
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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