

Converting Colors

$Y_{xy}(34.5522, 0.2836, 0.3964)$

Have a look what the booklet for
Yxy(34.5522, 0.2836, 0.3964)
contains.

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Color

Yxy(34.3751, 0.2833, 0.3957)

Conversions

Conversions Part 1

Format	Color
Hex	65AD86
RGB	101, 173, 134
RGB Percent	40%, 68%, 53%
CMY	0.6040, 0.3215, 0.4746
CMYK	0.42, 0.00, 0.23, 0.32
HSL	147°, 31%, 54%
HSV	147°, 42%, 68%
XYZ	24.6107, 34.3751, 27.8858
YIQ	147.0260, -30.3930, -27.3930

Conversions

Conversions Part 2

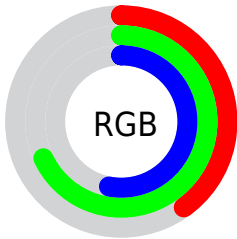
Format	Color
RYB	101, 150, 173
Decimal	6663558
CIELab	65.26, -31.57, 13.09
CIELCh	65, 34.175, 157.474
Yxy	34.3751, 0.2833, 0.3957
Android (android.graphics.Color)	4284853638 (0xFF65AD86)
YUV	147.0260, -6.4218, -40.3648
Hunter-Lab	58.6303, -27.6756, 12.8416

Details

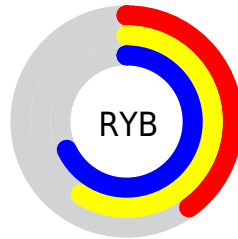
The Yxy color $34.3751, 0.2833, 0.3957$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $20.0822, 0.3598, 0.2714$, and the grayscale version is $29.2236, 0.3127, 0.3290$.

A 20% lighter version of the original color is $66.5950, 0.2898, 0.3821$, and $14.7014, 0.2728, 0.4205$ is the 20% darker color. If you saturate the color by 10%, you get $33.2310, 0.2781, 0.4154$, and if you desaturate by 10%, it is $35.7554, 0.2895, 0.3773$.

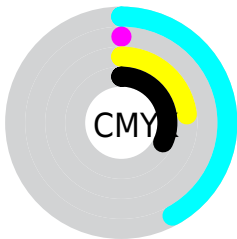
Distribution



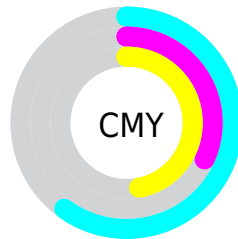
- Red (40%)
- Green (68%)
- Blue (53%)



- Red (40%)
- Yellow (59%)
- Blue (68%)



- Cyan (42%)
- Magenta (0%)
- Yellow (23%)
- Black (32%)





- Cyan (60%)
- Magenta (32%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.3751, 0.2833, 0.3957 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 34.3751, 0.2833, 0.3957 by changing the saturation by 10% instead.


 34.3751, 0.2833,
0.3957


 34.3751, 0.2833,
0.3957


321.8014, 0.2995,
0.3592

 23.1819, 0.2787,
0.4060


 66.5166, 0.2896,
0.3816

 14.7279, 0.2725,
0.4200


 88.2336, 0.2918,
0.3766

 8.6286, 0.2635,
0.4402


 114.2274, 0.2936,
0.3724

 4.4998, 0.2494,
0.4716

 144.8824, 0.2952,
0.3689

 1.9569, 0.2247,
0.5266

180.5828, 0.2965,
0.3659

 0.5822, 0.0000,
1.0000

221.7132, 0.2976,

 0.0000, 0.0000,

0.3634

0.0000

268.6579, 0.2986,
0.3612

■ 34.3751, 0.2833,
0.3957

■ 34.3751, 0.2833,
0.3957

■ 33.2310, 0.2781,
0.4154

■ 35.7554, 0.2895,
0.3773

■ 32.3049, 0.2744,
0.4360

■ 37.3805, 0.2965,
0.3603

■ 31.5828, 0.2722,
0.4571

■ 39.2634, 0.3039,
0.3449

■ 31.0473, 0.2720,
0.4779

■ 41.4152, 0.3115,
0.3311


■ 30.6774, 0.2736,
0.4979

■ 43.8462, 0.3191,
0.3188

 30.4587, 0.2760,
0.5137

 46.5663, 0.3266,
0.3080

 49.5846, 0.3340,
0.2985

 52.9103, 0.3410,
0.2902

 56.2302, 0.3463,
0.2827

Harmonies

Analogous

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



34.3751, 0.3349, 0.4234



34.3751, 0.2833, 0.3957



34.3751, 0.2418, 0.3453

Triad

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



34.3751, 0.2833, 0.3957



34.3751, 0.2424, 0.2456



34.3751, 0.4155, 0.3495

Complementary

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



34.3751, 0.2833, 0.3957



20.0822, 0.3598, 0.2714

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.



34.3751, 0.3867, 0.3084



34.3751, 0.2833, 0.3957



34.3751, 0.2838, 0.2512

Square

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



34.3751, 0.2833, 0.3957



34.3751, 0.2202, 0.2597



34.3751, 0.3369, 0.2736



34.3751, 0.4133, 0.3895

Rectangle

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



34.3751, 0.2833, 0.3957



34.3751, 0.2247, 0.3102



34.3751, 0.3369, 0.2736



34.3751, 0.4091, 0.3355

Sweetspot

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



34.3765, 0.2833, 0.3957



70.1044, 0.3034, 0.3457



36.4567, 0.3418, 0.4418



15.1393, 0.3025, 0.3476



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



34.3765, 0.2833, 0.3957



59.6508, 0.2785, 0.4139



35.5356, 0.2591, 0.3346



8.9981, 0.3056, 0.3415



22.3855, 0.2755, 0.5118



0.6339, 0.2589, 0.4520

Inverse Universe

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



20.0822, 0.3598, 0.2714



30.5605, 0.3751, 0.2592



19.2000, 0.4118, 0.3239



8.0852, 0.3205, 0.3168



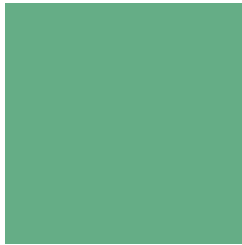
7.1286, 0.4752, 0.2391



0.2092, 0.4169, 0.2070

Previews

White Background



This preview shows how the Yxy color 34.3751, 0.2833, 0.3957 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 34.3751, 0.2833, 0.3957 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

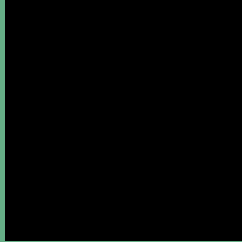
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.3751, 0.2833, 0.3957

Background



This preview shows how black text looks on a background with the Yxy color 34.3751, 0.2833, 0.3957.



This preview shows how white text looks on a background with the Yxy color 34.3751, 0.2833, 0.3957.

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

34.3751, 0.2833, 0.3957

Protanopia

33.8358, 0.3521, 0.3752

Deuteranopia

34.0239, 0.3546, 0.3475



Tritanopia

34.3775, 0.2579, 0.3085

Trichromacy



Original Color

34.3751, 0.2833, 0.3957

Protanomaly

33.6190, 0.3234, 0.3830

Deuteranomaly

33.5271, 0.3247, 0.3647

Tritanomaly

34.2084, 0.2671, 0.3386

Monochromacy



Original Color

34.3751, 0.2833, 0.3957

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

30.4758, 0.3001, 0.3521

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.3751, 0.2833, 0.3957 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(101, 173, 134)` looks like.

```
.text, #text, p{  
    color:rgb(101, 173, 134)  
}
```

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(101, 173, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 173, 134) }
```

Border

The CSS property to change the border of an element to Yxy 34.3751, 0.2833, 0.3957 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(101, 173, 134) }
```

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

```
.border{ border-color:rgb(101, 173, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 173, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 173, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 173, 134);  
box-shadow:4px 4px 4px 4px rgb(101, 173,  
134) }
```


Background

The CSS property to change the background color of an element to Yxy 34.3751, 0.2833, 0.3957 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 173, 134) }
```

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

```
.background{ background-color: rgb(101,  
173, 134) }
```

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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