

Converting Colors

$Yxy(34.4249, 0.2653, 0.3746)$

Have a look what the booklet for
Yxy(34.4249, 0.2653, 0.3746)
contains.

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Color

Yxy(34.4049, 0.2654, 0.3752)

Conversions

Conversions Part 1

Format	Color
Hex	57AE93
RGB	87, 174, 147
RGB Percent	34%, 68%, 58%
CMY	0.6586, 0.3177, 0.4236
CMYK	0.50, 0.00, 0.16, 0.32
HSL	161°, 35%, 51%
HSV	161°, 50%, 68%
XYZ	24.3365, 34.4049, 32.9561
YIQ	144.9090, -43.1850, -26.8410

Conversions

Conversions Part 2

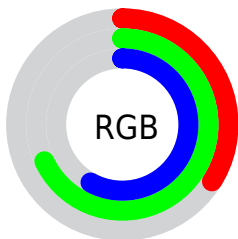
Format	Color
RYB	87, 138, 174
Decimal	5746323
CIELab	65.28, -32.86, 5.86
CIElCh	65, 33.375, 169.889
Yxy	34.4049, 0.2654, 0.3752
Android (android.graphics.Color)	4283936403 (0xFF57AE93)
YUV	144.9090, 1.0309, -50.7862
Hunter-Lab	58.6557, -28.5870, 7.7465

Details

The Yxy color **34.4049, 0.2654, 0.3752** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **17.0420, 0.4058, 0.2892**, and the grayscale version is **28.2919, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.5615, 0.2747, 0.3657**, and **14.7523, 0.2502, 0.3926** is the 20% darker color. If you saturate the color by 10%, you get **33.5008, 0.2594, 0.3864**, and if you desaturate by 10%, it is **35.5216, 0.2729, 0.3645**.

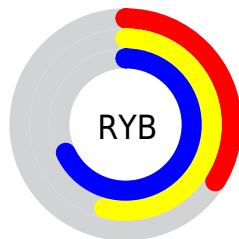
Distribution



Red (34%)

Green (68%)

Blue (58%)



Red (34%)

Yellow (54%)

Blue (68%)

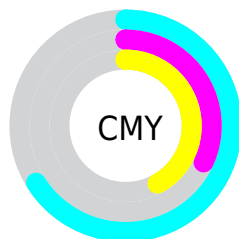


Cyan (50%)

Magenta (0%)

Yellow (16%)

Black (32%)



Cyan (66%)


Magenta (32%)


Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.4049, 0.2654, 0.3752 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 34.4049, 0.2654, 0.3752 by changing the saturation by 10% instead.

 34.4049, 0.2654,
0.3752


 34.4049, 0.2654,
0.3752

321.9337, 0.2905,
0.3503


 23.2048, 0.2587,
0.3821


 66.5628, 0.2749,
0.3657


 14.7448, 0.2497,
0.3913


 88.2895, 0.2783,
0.3623

 8.6405, 0.2372,
0.4044

 114.2938, 0.2812,
0.3594

 4.5074, 0.2186,
0.4243

 144.9601, 0.2836,
0.3570

 1.9613, 0.1883,
0.4583

180.6729, 0.2857,
0.3550

 0.5848, 0.0000,
0.7203

221.8165, 0.2875,

 0.0000, 0.0000,

0.3532

0.0000

268.7753, 0.2891,
0.3517

■ 34.4049, 0.2654,
0.3752

■ 34.4049, 0.2654,
0.3752

■ 33.5008, 0.2594,
0.3864

■ 35.5216, 0.2729,
0.3645

■ 32.7904, 0.2551,
0.3980

■ 36.8601, 0.2817,
0.3545

■ 32.2581, 0.2528,
0.4097

■ 38.4342, 0.2915,
0.3452

■ 31.8841, 0.2525,
0.4214

■ 40.2551, 0.3019,
0.3367


■ 31.6261, 0.2536,
0.4330

■ 42.3334, 0.3128,
0.3290

 31.6252, 0.2536,
0.4331

 44.6791, 0.3238,
0.3221

 47.3017, 0.3348,
0.3159

 50.2100, 0.3457,
0.3105

 53.4128, 0.3563,
0.3057

Harmonies

Analogous

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



34.4049, 0.3133, 0.4135



34.4049, 0.2654, 0.3752



34.4049, 0.2319, 0.3233

Triad

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



34.4049, 0.2654, 0.3752



34.4049, 0.2587, 0.2474



34.4049, 0.4160, 0.3660

Complementary

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



34.4049, 0.2654, 0.3752



17.0420, 0.4058, 0.2892

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.



34.4049, 0.3999, 0.3253



34.4049, 0.2654, 0.3752



34.4049, 0.3053, 0.2601

Square

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



34.4049, 0.2654, 0.3752



34.4049, 0.2286, 0.2530



34.4049, 0.3579, 0.2878



34.4049, 0.4016, 0.4020

Rectangle

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



34.4049, 0.2654, 0.3752



34.4049, 0.2210, 0.2920



34.4049, 0.3579, 0.2878



34.4049, 0.4140, 0.3525

Sweetspot

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



34.4063, 0.2654, 0.3752



71.2133, 0.2963, 0.3411



34.5772, 0.3275, 0.4743



15.6790, 0.2942, 0.3429



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



34.4063, 0.2654, 0.3752



60.6115, 0.2588, 0.3877



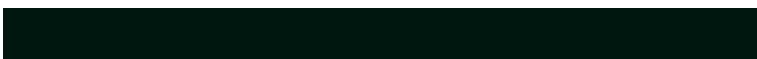
29.5592, 0.2433, 0.3020



9.0291, 0.3026, 0.3361



22.9501, 0.2533, 0.4318



0.6477, 0.2435, 0.3967

Inverse Universe

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



17.0420, 0.4058, 0.2892



25.4633, 0.4396, 0.2825



19.3887, 0.4375, 0.3530



8.0548, 0.3239, 0.3220



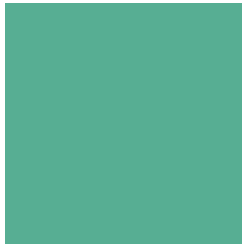
6.7300, 0.5684, 0.2905



0.1972, 0.4827, 0.2433

Previews

White Background



This preview shows how the Yxy color 34.4049, 0.2654, 0.3752 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 34.4049, 0.2654, 0.3752 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

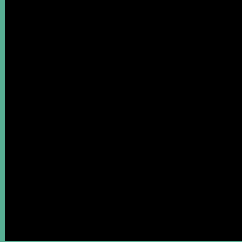
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.4049, 0.2654, 0.3752

Background



This preview shows how black text looks on a background with the Yxy color 34.4049, 0.2654, 0.3752.



This preview shows how white text looks on a background with the Yxy color 34.4049, 0.2654, 0.3752.

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

34.4049, 0.2654, 0.3752

Protanopia

33.9483, 0.3385, 0.3573

Deuteranopia

33.8374, 0.3362, 0.3291



Tritanopia

34.3915, 0.2477, 0.3067

Trichromacy



Original Color

34.4049, 0.2654, 0.3752

Protanomaly

33.4358, 0.3073, 0.3641

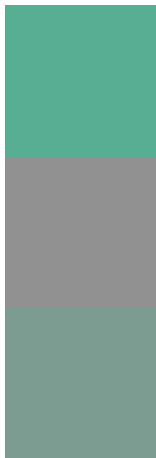
Deuteranomaly

33.1833, 0.3053, 0.3446

Tritanomaly

34.4078, 0.2539, 0.3305

Monochromacy



Original Color

34.4049, 0.2654, 0.3752

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

30.1373, 0.2912, 0.3456

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.4049, 0.2654, 0.3752 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(87, 174, 147)` looks like.

```
.text, #text, p{  
    color:rgb(87, 174, 147)  
}
```

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(87, 174, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 174, 147) }
```

Border

The CSS property to change the border of an element to Yxy 34.4049, 0.2654, 0.3752 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(87, 174, 147) }
```

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

```
.border{ border-color:rgb(87, 174, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 174, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 174, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 174, 147);  
box-shadow:4px 4px 4px 4px rgb(87, 174,  
147) }
```


Background

The CSS property to change the background color of an element to Yxy 34.4049, 0.2654, 0.3752 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 174, 147) }
```

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

```
.background{ background-color: rgb(87, 174,  
147) }
```

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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