

Converting Colors

$Yxy(34.6403, 0.2798, 0.3942)$

Have a look what the booklet for
Yxy(34.6403, 0.2798, 0.3942)
contains.

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Color

Yxy(34.6463, 0.2799, 0.3940)

Conversions

Conversions Part 1

Format	Color
Hex	62AE88
RGB	98, 174, 136
RGB Percent	38%, 68%, 53%
CMY	0.6158, 0.3176, 0.4667
CMYK	0.44, 0.00, 0.22, 0.32
HSL	150°, 32%, 53%
HSV	150°, 44%, 68%
XYZ	24.6129, 34.6463, 28.6755
YIQ	146.9440, -33.0980, -27.9300

Conversions

Conversions Part 2

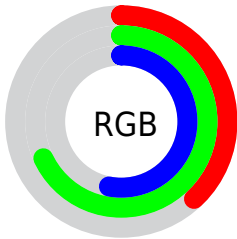
Format	Color
RYB	98, 149, 174
Decimal	6467208
CIELab	65.47, -32.48, 12.27
CIElCh	65, 34.718, 159.300
Yxy	34.6463, 0.2799, 0.3940
Android (android.graphics.Color)	4284657288 (0xFF62AE88)
YUV	146.9440, -5.3954, -42.9239
Hunter-Lab	58.8611, -28.3666, 12.3183

Details

The Yxy color **34.6463, 0.2799, 0.3940** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **19.5060, 0.3676, 0.2730**, and the grayscale version is **29.1829, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.9432, 0.2869, 0.3808**, and **14.8821, 0.2683, 0.4179** is the 20% darker color. If you saturate the color by 10%, you get **33.5457, 0.2746, 0.4123**, and if you desaturate by 10%, it is **35.9802, 0.2864, 0.3768**.

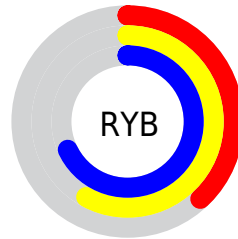
Distribution



Red (38%)

Green (68%)

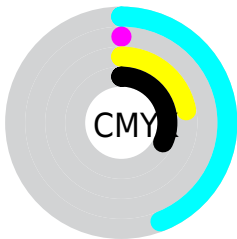
Blue (53%)



Red (38%)

Yellow (58%)

Blue (68%)

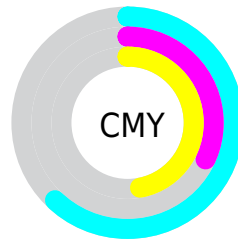


Cyan (44%)

Magenta (0%)

Yellow (22%)

Black (32%)



Cyan (62%)


Magenta (32%)


Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.6463, 0.2799, 0.3940 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 34.6463, 0.2799, 0.3940 by changing the saturation by 10% instead.

 34.6463, 0.2799,
0.3940


 34.6463, 0.2799,
0.3940


323.0044, 0.2978,
0.3585


 23.3905, 0.2749,
0.4040


 66.9375, 0.2868,
0.3803

 14.8821, 0.2681,
0.4176


 88.7417, 0.2892,
0.3754

 8.7367, 0.2584,
0.4371


 114.8308, 0.2913,
0.3714

 4.5699, 0.2434,
0.4673

 145.5893, 0.2930,
0.3680

 1.9972, 0.2175,
0.5201

181.4015, 0.2945,
0.3651

 0.6058, 0.0000,
1.0000

222.6518, 0.2957,

 0.0000, 0.0000,

0.3626

0.0000

269.7246, 0.2968,
0.3604

■ 34.6463, 0.2799,
0.3940

■ 34.6463, 0.2799,
0.3940

■ 33.5457, 0.2746,
0.4123

■ 35.9802, 0.2864,
0.3768

■ 32.6599, 0.2708,
0.4314

■ 37.5562, 0.2937,
0.3609

■ 31.9744, 0.2688,
0.4509


■ 39.3877, 0.3015,
0.3465


■ 31.4709, 0.2687,
0.4701


■ 41.4858, 0.3097,
0.3335

■ 31.1278, 0.2705,
0.4887


■ 43.8611, 0.3179,
0.3219

 30.9639, 0.2722,
0.5000

 46.5235, 0.3261,
0.3116

 49.4824, 0.3341,
0.3025

 52.7469, 0.3419,
0.2946

 56.3255, 0.3493,
0.2877

Harmonies

Analogous

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



34.6463, 0.3319, 0.4239



34.6463, 0.2799, 0.3940



34.6463, 0.2390, 0.3421

Triad

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



34.6463, 0.2799, 0.3940



34.6463, 0.2436, 0.2444



34.6463, 0.4176, 0.3522

Complementary

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



34.6463, 0.2799, 0.3940



19.5060, 0.3676, 0.2730

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.



34.6463, 0.3903, 0.3105



34.6463, 0.2799, 0.3940



34.6463, 0.2865, 0.2512

Square

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



34.6463, 0.2799, 0.3940



34.6463, 0.2198, 0.2573



34.6463, 0.3405, 0.2748



34.6463, 0.4134, 0.3924

Rectangle

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



34.6463, 0.2799, 0.3940



34.6463, 0.2225, 0.3069



34.6463, 0.3405, 0.2748



34.6463, 0.4118, 0.3381

Sweetspot

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



34.6477, 0.2799, 0.3940



71.6049, 0.3019, 0.3458



36.4970, 0.3406, 0.4488



15.7442, 0.3001, 0.3488



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.



34.6477, 0.2799, 0.3940



60.9827, 0.2750, 0.4108



35.8778, 0.2553, 0.3309



9.0036, 0.3051, 0.3406



22.4675, 0.2717, 0.4981



0.6361, 0.2561, 0.4420

Inverse Universe

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



19.5060, 0.3676, 0.2730



30.0717, 0.3851, 0.2620



18.6340, 0.4232, 0.3274



8.0796, 0.3211, 0.3177



7.0380, 0.4925, 0.2487



0.2068, 0.4276, 0.2129

Previews

White Background



This preview shows how the Yxy color 34.6463, 0.2799, 0.3940 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 34.6463, 0.2799, 0.3940 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

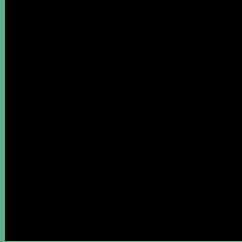
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.6463, 0.2799, 0.3940

Background



This preview shows how black text looks on a background with the Yxy color 34.6463, 0.2799, 0.3940.



This preview shows how white text looks on a background with the Yxy color 34.6463, 0.2799, 0.3940.

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

34.6463, 0.2799, 0.3940

Protanopia

34.3371, 0.3509, 0.3734

Deuteranopia

34.0829, 0.3525, 0.3447



Tritanopia

34.5927, 0.2555, 0.3085

Trichromacy



Original Color

34.6463, 0.2799, 0.3940

Protanomaly

34.0293, 0.3215, 0.3812

Deuteranomaly

33.4897, 0.3218, 0.3616

Tritanomaly

34.4693, 0.2639, 0.3370

Monochromacy



Original Color

34.6463, 0.2799, 0.3940

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

30.7642, 0.2983, 0.3521

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.6463, 0.2799, 0.3940 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(98, 174, 136)` looks like.

```
.text, #text, p{  
    color:rgb(98, 174, 136)  
}
```

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(98, 174, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 174, 136) }
```

Border

The CSS property to change the border of an element to Yxy 34.6463, 0.2799, 0.3940 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(98, 174, 136) }
```

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

```
.border{ border-color:rgb(98, 174, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 174, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 174, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 174, 136);  
box-shadow:4px 4px 4px 4px rgb(98, 174,  
136) }
```


Background

The CSS property to change the background color of an element to Yxy 34.6463, 0.2799, 0.3940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 174, 136) }
```

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

```
.background{ background-color: rgb(98, 174,  
136) }
```

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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