

Converting Colors

$Yxy(34.1505, 0.2647, 0.3892)$

Have a look what the booklet for
Yxy(34.1505, 0.2647, 0.3892)
contains.

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Color

Yxy(34.1731, 0.2650, 0.3903)

Conversions

Conversions Part 1

Format	Color
Hex	4EAF8C
RGB	78, 175, 140
RGB Percent	31%, 69%, 55%
CMY	0.6943, 0.3137, 0.4510
CMYK	0.55, 0.00, 0.20, 0.31
HSL	158°, 38%, 50%
HSV	158°, 55%, 69%
XYZ	23.2023, 34.1731, 30.1805
YIQ	142.0070, -46.5770, -31.4490

Conversions

Conversions Part 2

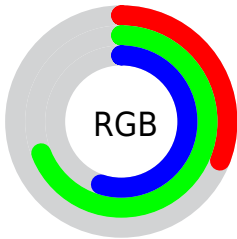
Format	Color
RYB	78, 137, 175
Decimal	5156748
CIELab	65.10, -37.08, 9.42
CIELCh	65, 38.258, 165.739
Yxy	34.1731, 0.2650, 0.3903
Android (android.graphics.Color)	4283346828 (0xFF4EAF8C)
YUV	142.0070, -0.9895, -56.1341
Hunter-Lab	58.4578, -31.4531, 10.3102

Details

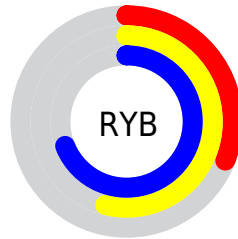
The Yxy color **34.1731, 0.2650, 0.3903** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **15.7497, 0.4134, 0.2785**, and the grayscale version is **27.0673, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.1152, 0.2743, 0.3767**, and **14.6766, 0.2487, 0.4127** is the 20% darker color. If you saturate the color by 10%, you get **33.3505, 0.2604, 0.4038**, and if you desaturate by 10%, it is **35.2058, 0.2713, 0.3773**.

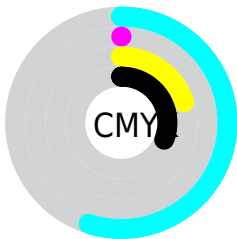
Distribution



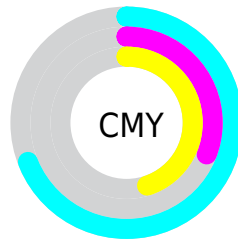
- Red (31%)
- Green (69%)
- Blue (55%)



- Red (31%)
- Yellow (54%)
- Blue (69%)



- Cyan (55%)
- Magenta (0%)
- Yellow (20%)
- Black (31%)





- Cyan (69%)
- Magenta (31%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.1731, 0.2650, 0.3903 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 34.1731, 0.2650, 0.3903 by changing the saturation by 10% instead.


 34.1731, 0.2650,
0.3903


 34.1731, 0.2650,
0.3903

320.9032, 0.2906,
0.3569

 23.0266, 0.2580,
0.3997


 66.2028, 0.2747,
0.3774


 14.6132, 0.2486,
0.4124


 87.8547, 0.2783,
0.3728


 8.5483, 0.2354,
0.4306


 113.7773, 0.2812,
0.3690

 4.4478, 0.2156,
0.4588

 144.3549, 0.2836,
0.3658

 1.9271, 0.1806,
0.5090

 179.9719, 0.2858,
0.3631

 0.5646, 0.0000,
1.0000

221.0127, 0.2876,

 0.0000, 0.0000,

0.3607

0.0000

267.8616, 0.2892,
0.3587

■ 34.1731, 0.2650,
0.3903

■ 34.1731, 0.2650,
0.3903

■ 33.3505, 0.2604,
0.4038

■ 35.2058, 0.2713,
0.3773

■ 32.7177, 0.2576,
0.4176

■ 36.4588, 0.2790,
0.3651

■ 32.2574, 0.2567,
0.4314

■ 37.9467, 0.2877,
0.3537

■ 31.9463, 0.2579,
0.4450

■ 39.6814, 0.2972,
0.3433

■ 31.8300, 0.2587,
0.4512

■ 41.6743, 0.3071,
0.3338

■ 43.9357, 0.3174,
0.3252

■ 46.4757, 0.3277,
0.3176

■ 49.3035, 0.3379,
0.3109

■ 52.4282, 0.3479,
0.3050

Harmonies

Analogous

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



34.1731, 0.3206, 0.4309



34.1731, 0.2650, 0.3903



34.1731, 0.2246, 0.3300

Triad

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



34.1731, 0.2650, 0.3903



34.1731, 0.2451, 0.2362



34.1731, 0.4308, 0.3635

Complementary

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



34.1731, 0.2650, 0.3903



15.7497, 0.4134, 0.2785

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.



34.1731, 0.4078, 0.3177



34.1731, 0.2650, 0.3903



34.1731, 0.2957, 0.2481

Square

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



34.1731, 0.2650, 0.3903



34.1731, 0.2146, 0.2451



34.1731, 0.3562, 0.2770



34.1731, 0.4182, 0.4063

Rectangle

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



34.1731, 0.2650, 0.3903



34.1731, 0.2104, 0.2926



34.1731, 0.3562, 0.2770



34.1731, 0.4271, 0.3481

Sweetspot

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



34.1745, 0.2650, 0.3903



70.4546, 0.2954, 0.3451



34.7596, 0.3321, 0.4895



15.5200, 0.2935, 0.3471



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.



34.1745, 0.2650, 0.3903



59.3843, 0.2594, 0.4075



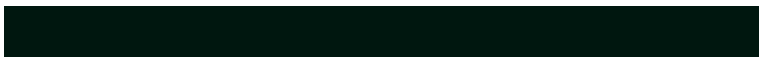
30.5783, 0.2391, 0.3070



9.0223, 0.3033, 0.3373



22.8042, 0.2582, 0.4496



0.6444, 0.2468, 0.4086

Inverse Universe

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



15.7497, 0.4134, 0.2785



22.9457, 0.4515, 0.2713



17.1295, 0.4629, 0.3480



8.0613, 0.3232, 0.3208



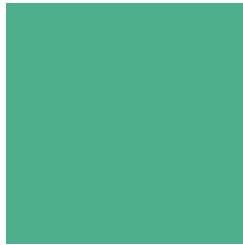
6.7958, 0.5495, 0.2801



0.1997, 0.4663, 0.2342

Previews

White Background



This preview shows how the Yxy color 34.1731, 0.2650, 0.3903 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 34.1731, 0.2650, 0.3903 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

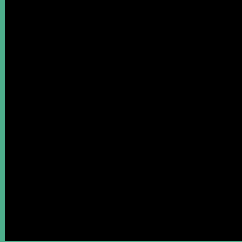
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.1731, 0.2650, 0.3903

Background



This preview shows how black text looks on a background with the Yxy color 34.1731, 0.2650, 0.3903.



This preview shows how white text looks on a background with the Yxy color 34.1731, 0.2650, 0.3903.

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

34.1731, 0.2650, 0.3903

Protanopia

33.8596, 0.3463, 0.3678

Deuteranopia

33.5247, 0.3456, 0.3377



Tritanopia

34.0701, 0.2442, 0.3065

Trichromacy



Original Color

34.1731, 0.2650, 0.3903



Protanomaly

33.3405, 0.3104, 0.3776



Deuteranomaly

32.7875, 0.3095, 0.3559



Tritanomaly

33.9421, 0.2517, 0.3355

Monochromacy



Original Color

34.1731, 0.2650, 0.3903



Achromatopsia

27.0498, 0.3127, 0.3290



Achromatomaly

28.9562, 0.2907, 0.3512

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.1731, 0.2650, 0.3903 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(78, 175, 140)` looks like.

```
.text, #text, p{  
    color:rgb(78, 175, 140)  
}
```

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(78, 175, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 175, 140) }
```

Border

The CSS property to change the border of an element to Yxy 34.1731, 0.2650, 0.3903 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(78, 175, 140) }
```

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

```
.border{ border-color:rgb(78, 175, 140) }
```

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

Here you see how a box with a 4 pixel rgb(78, 175, 140) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 175, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 175, 140);  
box-shadow:4px 4px 4px 4px rgb(78, 175,  
140) }
```


Background

The CSS property to change the background color of an element to Yxy 34.1731, 0.2650, 0.3903 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 175, 140) }
```

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

```
.background{ background-color: rgb(78, 175,  
140) }
```

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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