

Converting Colors

$Yxy(34.5341, 0.2600, 0.3861)$

Have a look what the booklet for
Yxy(34.5341, 0.2600, 0.3861)
contains.

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Color

Yxy(34.4420, 0.2596, 0.3849)

Conversions

Conversions Part 1

Format	Color
Hex	48B090
RGB	72, 176, 144
RGB Percent	28%, 69%, 56%
CMY	0.7178, 0.3098, 0.4353
CMYK	0.59, 0.00, 0.18, 0.31
HSL	162°, 42%, 49%
HSV	162°, 59%, 69%
XYZ	23.2298, 34.4420, 31.8112
YIQ	141.2560, -51.7120, -32.0000

Conversions

Conversions Part 2

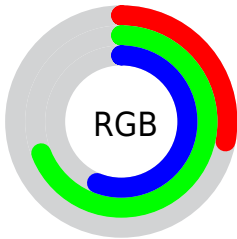
Format	Color
RYB	72, 133, 176
Decimal	4763792
CIELab	65.31, -37.87, 7.48
CIELCh	65, 38.603, 168.823
Yxy	34.4420, 0.2596, 0.3849
Android (android.graphics.Color)	4282953872 (0xFF48B090)
YUV	141.2560, 1.3528, -60.7375
Hunter-Lab	58.6873, -32.0484, 8.9432

Details

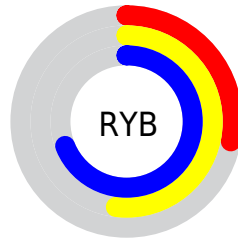
The Yxy color **34.4420, 0.2596, 0.3849** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **14.8592, 0.4341, 0.2839**, and the grayscale version is **26.7482, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.5363, 0.2703, 0.3727**, and **14.9741, 0.2455, 0.4039** is the 20% darker color. If you saturate the color by 10%, you get **33.6998, 0.2552, 0.3963**, and if you desaturate by 10%, it is **35.3884, 0.2658, 0.3738**.

Distribution



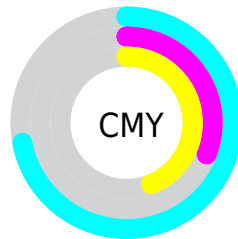
- Red (28%)
- Green (69%)
- Blue (56%)



- Red (28%)
- Yellow (52%)
- Blue (69%)



- Cyan (59%)
- Magenta (0%)
- Yellow (18%)
- Black (31%)




- Cyan (72%)
- Magenta (31%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 34.4420, 0.2596, 0.3849 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 34.4420, 0.2596, 0.3849 by changing the saturation by 10% instead.


 34.4420, 0.2596,
0.3849


 34.4420, 0.2596,
0.3849


322.0984, 0.2878,
0.3546


 23.2334, 0.2520,
0.3933


 66.6204, 0.2703,
0.3733


 14.7659, 0.2418,
0.4047


 88.3590, 0.2742,
0.3691


 8.6553, 0.2277,
0.4208


 114.3764, 0.2774,
0.3657

 4.5170, 0.2067,
0.4456

 145.0569, 0.2801,
0.3628

 1.9668, 0.1707,
0.4890

 180.7849, 0.2825,
0.3603

 0.5881, 0.0000,
0.8339

221.9450, 0.2845,

 0.0000, 0.0000,

0.3581

0.0000

268.9213, 0.2863,
0.3563

■ 34.4420, 0.2596,
0.3849

■ 34.4420, 0.2596,
0.3849

■ 33.6998, 0.2552,
0.3963

■ 35.3884, 0.2658,
0.3738

■ 33.1407, 0.2527,
0.4079

■ 36.5501, 0.2735,
0.3633

■ 32.7458, 0.2521,
0.4195

■ 37.9422, 0.2824,
0.3534

■ 32.4773, 0.2532,
0.4310

■ 39.5770, 0.2923,
0.3443

■ 32.4554, 0.2534,
0.4320

■ 41.4662, 0.3028,
0.3359

■ 43.6207, 0.3137,
0.3284

■ 46.0507, 0.3248,
0.3216

■ 48.7657, 0.3359,
0.3156

■ 51.7751, 0.3468,
0.3102

Harmonies

Analogous

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



34.4420, 0.3146, 0.4291



34.4420, 0.2596, 0.3849



34.4420, 0.2212, 0.3238

Triad

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



34.4420, 0.2596, 0.3849



34.4420, 0.2491, 0.2360



34.4420, 0.4319, 0.3683

Complementary

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



34.4420, 0.2596, 0.3849



14.8592, 0.4341, 0.2839

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.



34.4420, 0.4124, 0.3222



34.4420, 0.2596, 0.3849



34.4420, 0.3016, 0.2499

Square

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



34.4420, 0.2596, 0.3849



34.4420, 0.2161, 0.2426



34.4420, 0.3626, 0.2804



34.4420, 0.4157, 0.4105

Rectangle

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



34.4420, 0.2596, 0.3849



34.4420, 0.2086, 0.2872



34.4420, 0.3626, 0.2804



34.4420, 0.4294, 0.3529

Sweetspot

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



34.4434, 0.2596, 0.3849



72.0303, 0.2931, 0.3436



34.5184, 0.3280, 0.5030



15.4147, 0.2902, 0.3461



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.



34.4434, 0.2596, 0.3849



60.7636, 0.2542, 0.4000



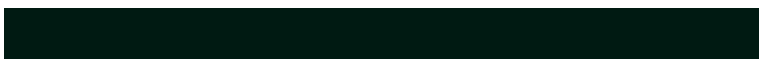
28.6019, 0.2335, 0.2962



9.5861, 0.3025, 0.3361



23.8219, 0.2530, 0.4308



0.7594, 0.2441, 0.3988

Inverse Universe

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



14.8592, 0.4341, 0.2839



21.9786, 0.4789, 0.2796



17.1865, 0.4730, 0.3562



8.5469, 0.3240, 0.3220



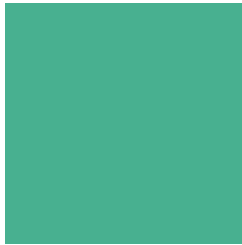
6.9780, 0.5699, 0.2913



0.2303, 0.4895, 0.2470

Previews

White Background



This preview shows how the Yxy color 34.4420, 0.2596, 0.3849 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 34.4420, 0.2596, 0.3849 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

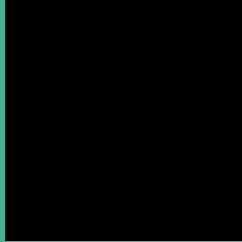
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.4420, 0.2596, 0.3849

Background



This preview shows how black text looks on a background with the Yxy color 34.4420, 0.2596, 0.3849.

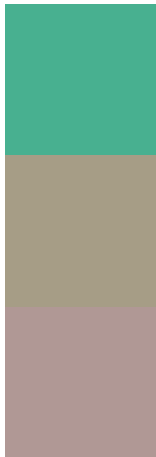


This preview shows how white text looks on a background with the Yxy color 34.4420, 0.2596, 0.3849.

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

34.4420, 0.2596, 0.3849

Protanopia

33.9422, 0.3434, 0.3632

Deuteranopia

33.8565, 0.3403, 0.3334



Tritanopia

34.1886, 0.2408, 0.3064

Trichromacy



Original Color

34.4420, 0.2596, 0.3849



Protanomaly

33.2914, 0.3052, 0.3712



Deuteranomaly

32.9996, 0.3032, 0.3512



Tritanomaly

34.1190, 0.2476, 0.3338

Monochromacy



Original Color

34.4420, 0.2596, 0.3849



Achromatopsia

26.6356, 0.3127, 0.3290



Achromatomaly

28.7772, 0.2872, 0.3496

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.4420, 0.2596, 0.3849 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(72, 176, 144)` looks like.

```
.text, #text, p{  
    color:rgb(72, 176, 144)  
}
```

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(72, 176, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 176, 144) }
```

Border

The CSS property to change the border of an element to Yxy 34.4420, 0.2596, 0.3849 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(72, 176, 144) }
```

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

```
.border{ border-color:rgb(72, 176, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 176, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 176, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 176, 144);  
box-shadow:4px 4px 4px 4px rgb(72, 176,  
144) }
```


Background

The CSS property to change the background color of an element to Yxy 34.4420, 0.2596, 0.3849 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 176, 144) }
```

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

```
.background{ background-color: rgb(72, 176,  
144) }
```

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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