

Converting Colors

$Yxy(34.5061, 0.2347, 0.3063)$

Have a look what the booklet for
Yxy(34.5061, 0.2347, 0.3063)
contains.

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Color

Yxy(34.5061, 0.2347, 0.3063)

Conversions

Conversions Part 1

Format	Color
Hex	4AACBA
RGB	74, 172, 186
RGB Percent	29%, 67%, 73%
CMY	0.7096, 0.3255, 0.2707
CMYK	0.60, 0.08, 0.00, 0.27
HSL	187°, 45%, 51%
HSV	187°, 60%, 73%
XYZ	26.4400, 34.5061, 51.7085
YIQ	144.2940, -62.9020, -16.4220

Conversions

Conversions Part 2

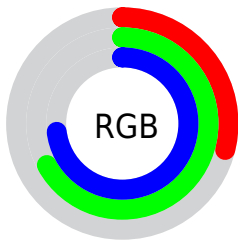
Format	Color
RYB	74, 126, 186
Decimal	4893882
CIELab	65.36, -24.30, -15.76
CIElCh	65, 28.965, 212.959
Yxy	34.5061, 0.2347, 0.3063
Android (android.graphics.Color)	4283083962 (0xFF4AACBA)
YUV	144.2940, 20.5611, -61.6478
Hunter-Lab	58.7419, -22.4545, -11.0716

Details

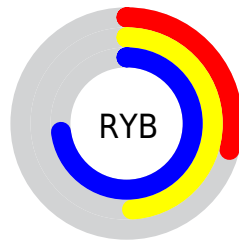
The Yxy color **34.5061, 0.2347, 0.3063** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **17.9152, 0.4848, 0.3477**, and the grayscale version is **27.9542, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.8842, 0.2492, 0.3119**, and **14.8871, 0.2157, 0.2965** is the 20% darker color. If you saturate the color by 10%, you get **32.9983, 0.2267, 0.3020**, and if you desaturate by 10%, it is **36.2502, 0.2445, 0.3106**.

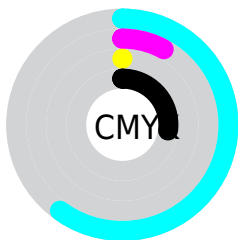
Distribution



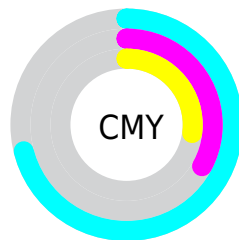
- Red (29%)
- Green (67%)
- Blue (73%)



- Red (29%)
- Yellow (49%)
- Blue (73%)



- Cyan (60%)
- Magenta (8%)
- Yellow (0%)
- Black (27%)




- Cyan (71%)
- Magenta (33%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 34.5061, 0.2347, 0.3063 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 34.5061, 0.2347, 0.3063 by changing the saturation by 10% instead.


 34.5061, 0.2347,
0.3063

 34.5061, 0.2347,
0.3063


322.3829, 0.2745,
0.3193


 23.2827, 0.2246,
0.3025


 66.7199, 0.2493,
0.3114

 14.8024, 0.2116,
0.2973


 88.4791, 0.2547,
0.3132


 8.6808, 0.1944,
0.2898


 114.5190, 0.2593,
0.3147

 4.5336, 0.1704,
0.2782

 145.2240, 0.2632,
0.3159

 1.9763, 0.1355,
0.2584

 180.9785, 0.2666,
0.3169

 0.5936, 0.0000,
0.2307

222.1669, 0.2696,

 0.0000, 0.0000,

0.3178

0.0000

269.1735, 0.2722,
0.3186

■ 34.5061, 0.2347,
0.3063

■ 34.5061, 0.2347,
0.3063

■ 32.9983, 0.2267,
0.3020

■ 36.2502, 0.2445,
0.3106

■ 31.7029, 0.2206,
0.2976

■ 38.2441, 0.2559,
0.3147

■ 30.5977, 0.2164,
0.2933

■ 40.5051, 0.2687,
0.3186

■ 29.6513, 0.2136,
0.2891

■ 43.0473, 0.2826,
0.3223

■ 45.8843, 0.2972,
0.3258

■ 49.0285, 0.3124,
0.3289

■ 52.4914, 0.3279,
0.3318

■ 56.2843, 0.3433,
0.3344

■ 60.4177, 0.3585,
0.3367

Harmonies

Analogous

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



34.5061, 0.2569, 0.3499



34.5061, 0.2347, 0.3063



34.5061, 0.2319, 0.2737

Triad

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



34.5061, 0.2347, 0.3063



34.5061, 0.3266, 0.2777



34.5061, 0.3779, 0.4027

Complementary

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



34.5061, 0.2347, 0.3063



17.9152, 0.4848, 0.3477

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.



34.5061, 0.4001, 0.3769



34.5061, 0.2347, 0.3063



34.5061, 0.3698, 0.3068

Square

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



34.5061, 0.2347, 0.3063



34.5061, 0.2822, 0.2602



34.5061, 0.3975, 0.3420



34.5061, 0.3389, 0.4093

Rectangle

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



34.5061, 0.2347, 0.3063



34.5061, 0.2409, 0.2613



34.5061, 0.3975, 0.3420



34.5061, 0.3877, 0.3957

Sweetspot

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



34.5074, 0.2347, 0.3063



78.9748, 0.2853, 0.3230



37.2563, 0.2970, 0.5006



17.0759, 0.2811, 0.3220



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



34.5074, 0.2347, 0.3063



59.0815, 0.2247, 0.3006



17.7142, 0.2131, 0.2092



10.0141, 0.2985, 0.3261



20.0287, 0.2138, 0.2896



0.7601, 0.2169, 0.3007

Inverse Universe

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



18.3191, 0.3370, 0.2048



28.2274, 0.3433, 0.1873



30.5980, 0.4310, 0.4211



9.1429, 0.3156, 0.3092



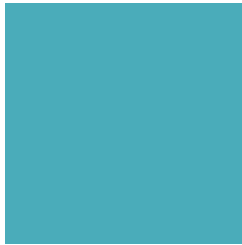
8.8042, 0.3547, 0.1727



0.3158, 0.3448, 0.1673

Previews

White Background



This preview shows how the Yxy color 34.5061, 0.2347, 0.3063 looks on a white background.

Color Contrast Check

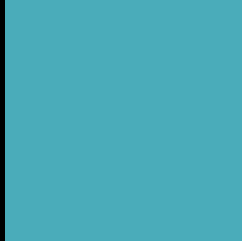
Large Text (above 18pt) WCAG AA × Fail

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 34.5061, 0.2347, 0.3063 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

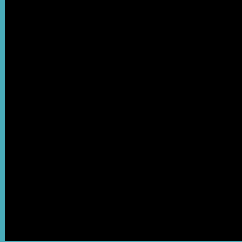
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.5061, 0.2347, 0.3063

Background



This preview shows how black text looks on a background with the Yxy color 34.5061, 0.2347, 0.3063.

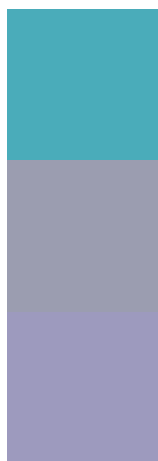


This preview shows how white text looks on a background with the Yxy color 34.5061, 0.2347, 0.3063.

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

34.5061, 0.2347, 0.3063

Protanopia

34.2171, 0.2943, 0.3014

Deuteranopia

33.9970, 0.2844, 0.2782



Tritanopia

34.5061, 0.2347, 0.3063

Trichromacy



Original Color

34.5061, 0.2347, 0.3063



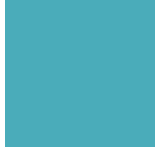
Protanomaly

33.5716, 0.2671, 0.3013



Deuteranomaly

33.6759, 0.2614, 0.2869



Tritanomaly

34.5061, 0.2347, 0.3063

Monochromacy



Original Color

34.5061, 0.2347, 0.3063



Achromatopsia

27.8894, 0.3127, 0.3290



Achromatomaly

29.5363, 0.2760, 0.3206

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.5061, 0.2347, 0.3063 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(74, 172, 186)` looks like.

```
.text, #text, p{  
    color:rgb(74, 172, 186)  
}
```

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(74, 172, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 172, 186) }
```

Border

The CSS property to change the border of an element to Yxy 34.5061, 0.2347, 0.3063 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(74, 172, 186) }
```

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

```
.border{ border-color:rgb(74, 172, 186) }
```

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

Here you see how a box with a 4 pixel rgb(74, 172, 186) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 172, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 172, 186);  
box-shadow:4px 4px 4px 4px rgb(74, 172,  
186) }
```


Background

The CSS property to change the background color of an element to Yxy 34.5061, 0.2347, 0.3063 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 172, 186) }
```

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

```
.background{ background-color: rgb(74, 172,  
186) }
```

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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