

Converting Colors

$Y_{xy}(34.1276, 0.2694, 0.3587)$

Have a look what the booklet for
Yxy(34.1276, 0.2694, 0.3587)
contains.

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Color

Yxy(34.1924, 0.2696, 0.3590)

Conversions

Conversions Part 1

Format	Color
Hex	65AB99
RGB	101, 171, 153
RGB Percent	40%, 67%, 60%
CMY	0.6039, 0.3294, 0.4001
CMYK	0.41, 0.00, 0.11, 0.33
HSL	165°, 29%, 53%
HSV	165°, 41%, 67%
XYZ	25.6776, 34.1924, 35.3734
YIQ	148.0180, -35.9420, -20.4380

Conversions

Conversions Part 2

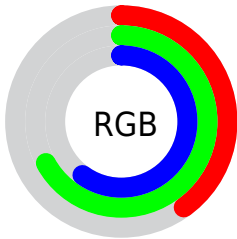
Format	Color
RYB	101, 141, 171
Decimal	6663065
CIELab	65.12, -26.41, 2.36
CIElCh	65, 26.511, 174.884
Yxy	34.1924, 0.2696, 0.3590
Android (android.graphics.Color)	4284853145 (0xFF65AB99)
YUV	148.0180, 2.4561, -41.2348
Hunter-Lab	58.4743, -23.9458, 5.0651

Details

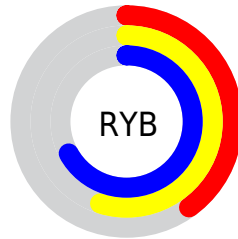
The Yxy color **34.1924, 0.2696, 0.3590** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **19.2981, 0.3874, 0.3017**, and the grayscale version is **29.6228, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.4117, 0.2783, 0.3537**, and **14.5446, 0.2557, 0.3683** is the 20% darker color. If you saturate the color by 10%, you get **33.1644, 0.2617, 0.3678**, and if you desaturate by 10%, it is **35.4338, 0.2788, 0.3507**.

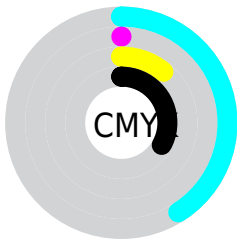
Distribution



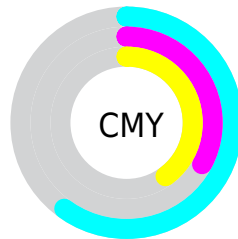
- Red (40%)
- Green (67%)
- Blue (60%)



- Red (40%)
- Yellow (55%)
- Blue (67%)



- Cyan (41%)
- Magenta (0%)
- Yellow (11%)
- Black (33%)





- Cyan (60%)
- Magenta (33%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.1924, 0.2696, 0.3590 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 34.1924, 0.2696, 0.3590 by changing the saturation by 10% instead.


 34.1924, 0.2696,
0.3590


 34.1924, 0.2696,
0.3590


320.9891, 0.2923,
0.3431


 23.0414, 0.2635,
0.3633

 66.2328, 0.2781,
0.3530


 14.6241, 0.2555,
0.3691


 87.8909, 0.2812,
0.3508

 8.5560, 0.2444,
0.3771

 113.8203, 0.2838,
0.3490

 4.4527, 0.2280,
0.3892

 144.4053, 0.2861,
0.3474

 1.9299, 0.2015,
0.4093

180.0303, 0.2879,
0.3461

 0.5663, 0.0000,
0.5565

221.0797, 0.2896,

 0.0000, 0.0000,

0.3450

0.0000

267.9378, 0.2910,
0.3440

■ 34.1924, 0.2696,
0.3590

■ 34.1924, 0.2696,
0.3590

■ 33.1644, 0.2617,
0.3678

■ 35.4338, 0.2788,
0.3507

■ 32.3330, 0.2554,
0.3769

■ 36.8964, 0.2891,
0.3431

■ 31.6850, 0.2509,
0.3863


■ 38.5925, 0.3001,
0.3360


■ 31.2042, 0.2484,
0.3958


■ 40.5321, 0.3116,
0.3296


■ 30.8714, 0.2477,
0.4054


■ 42.7250, 0.3234,
0.3238

 30.6595, 0.2483,
0.4139

 45.1800, 0.3352,
0.3186

 47.9059, 0.3470,
0.3141

 50.9108, 0.3585,
0.3101

 54.2026, 0.3696,
0.3066

Harmonies

Analogous

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



34.1924, 0.3071, 0.3915



34.1924, 0.2696, 0.3590



34.1924, 0.2446, 0.3187

Triad

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



34.1924, 0.2696, 0.3590



34.1924, 0.2750, 0.2634



34.1924, 0.3947, 0.3653

Complementary

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



34.1924, 0.2696, 0.3590



19.2981, 0.3874, 0.3017

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.



34.1924, 0.3857, 0.3323



34.1924, 0.2696, 0.3590



34.1924, 0.3142, 0.2760

Square

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



34.1924, 0.2696, 0.3590



34.1924, 0.2476, 0.2659



34.1924, 0.3554, 0.3005



34.1924, 0.3802, 0.3920

Rectangle

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



34.1924, 0.2696, 0.3590



34.1924, 0.2374, 0.2948



34.1924, 0.3554, 0.3005



34.1924, 0.3944, 0.3546

Sweetspot

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



34.1938, 0.2696, 0.3590



68.7014, 0.2987, 0.3369



34.0368, 0.3229, 0.4465



15.2321, 0.2973, 0.3377



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



34.1938, 0.2696, 0.3590



59.5718, 0.2625, 0.3668



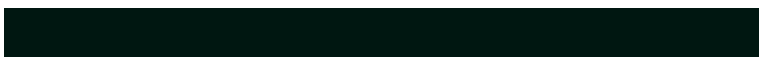
29.0403, 0.2533, 0.3016



9.0363, 0.3019, 0.3349



23.1199, 0.2481, 0.4130



0.6514, 0.2401, 0.3844

Inverse Universe

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



19.2981, 0.3874, 0.3017



29.2754, 0.4129, 0.2962



22.3985, 0.4040, 0.3542



8.0479, 0.3247, 0.3232



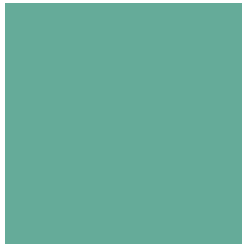
6.6716, 0.5868, 0.3006



0.1945, 0.5020, 0.2539

Previews

White Background



This preview shows how the Yxy color 34.1924, 0.2696, 0.3590 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 34.1924, 0.2696, 0.3590 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

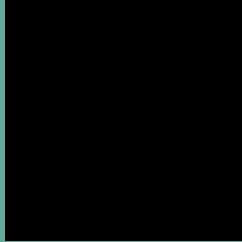
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.1924, 0.2696, 0.3590

Background



This preview shows how black text looks on a background with the Yxy color 34.1924, 0.2696, 0.3590.

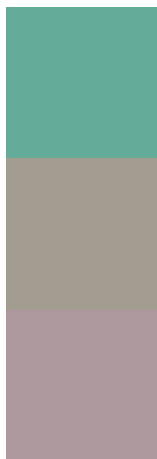


This preview shows how white text looks on a background with the Yxy color 34.1924, 0.2696, 0.3590.

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

34.1924, 0.2696, 0.3590

Protanopia

33.9448, 0.3298, 0.3469

Deuteranopia

33.6615, 0.3283, 0.3219



Tritanopia

34.1209, 0.2553, 0.3084

Trichromacy



Original Color

34.1924, 0.2696, 0.3590

Protanomaly

33.5542, 0.3042, 0.3510

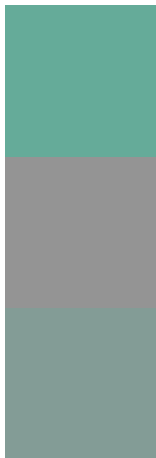
Deuteranomaly

33.3076, 0.3030, 0.3336

Tritanomaly

33.9108, 0.2601, 0.3256

Monochromacy



Original Color

34.1924, 0.2696, 0.3590

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

30.8042, 0.2942, 0.3387

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.1924, 0.2696, 0.3590 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(101, 171, 153)` looks like.

```
.text, #text, p{  
    color:rgb(101, 171, 153)  
}
```

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(101, 171, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 171, 153) }
```

Border

The CSS property to change the border of an element to Yxy 34.1924, 0.2696, 0.3590 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(101, 171, 153) }
```

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

```
.border{ border-color:rgb(101, 171, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 171, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 171, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 171, 153);  
box-shadow:4px 4px 4px 4px rgb(101, 171,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 34.1924, 0.2696, 0.3590 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 171, 153) }
```

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

```
.background{ background-color: rgb(101,  
171, 153) }
```

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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