

Converting Colors

$Y_{xy}(34.8093, 0.2623, 0.3403)$

Have a look what the booklet for
Yxy(34.8093, 0.2623, 0.3403)
contains.

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Color

Yxy(34.6309, 0.2628, 0.3403)

Conversions

Conversions Part 1

Format	Color
Hex	66ABA4
RGB	102, 171, 164
RGB Percent	40%, 67%, 64%
CMY	0.5999, 0.3294, 0.3569
CMYK	0.40, 0.00, 0.04, 0.33
HSL	174°, 29%, 54%
HSV	174°, 40%, 67%
XYZ	26.7441, 34.6309, 40.3908
YIQ	149.5710, -38.8770, -16.8050

Conversions

Conversions Part 2

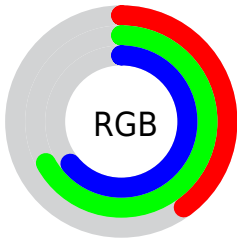
Format	Color
RYB	102, 138, 171
Decimal	6728612
CIELab	65.46, -23.48, -3.26
CIElCh	65, 23.705, 187.895
Yxy	34.6309, 0.2628, 0.3403
Android (android.graphics.Color)	4284918692 (0xFF66ABA4)
YUV	149.5710, 7.1135, -41.7198
Hunter-Lab	58.8480, -21.8630, 0.4994

Details

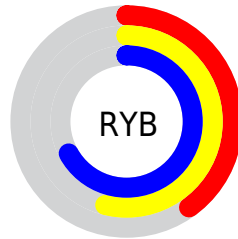
The Yxy color **34.6309, 0.2628, 0.3403** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **19.2703, 0.4018, 0.3185**, and the grayscale version is **30.2922, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.1206, 0.2723, 0.3386**, and **14.7551, 0.2471, 0.3432** is the 20% darker color. If you saturate the color by 10%, you get **33.6714, 0.2535, 0.3436**, and if you desaturate by 10%, it is **35.8001, 0.2736, 0.3372**.

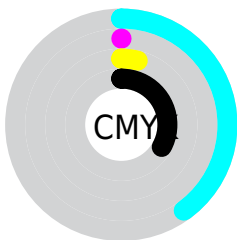
Distribution



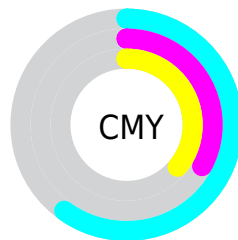
- Red (40%)
- Green (67%)
- Blue (64%)



- Red (40%)
- Yellow (54%)
- Blue (67%)



- Cyan (40%)
- Magenta (0%)
- Yellow (4%)
- Black (33%)





- Cyan (60%)
- Magenta (33%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.6309, 0.2628, 0.3403 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 34.6309, 0.2628, 0.3403 by changing the saturation by 10% instead.

 34.6309, 0.2628,
0.3403


 34.6309, 0.2628,
0.3403


322.9361, 0.2887,
0.3347


 23.3787, 0.2560,
0.3417


 66.9136, 0.2725,
0.3383

 14.8734, 0.2471,
0.3434


 88.7128, 0.2760,
0.3375

 8.7306, 0.2349,
0.3457


 114.7966, 0.2790,
0.3369

 4.5659, 0.2172,
0.3487

 145.5492, 0.2815,
0.3363

 1.9949, 0.1896,
0.3528

181.3550, 0.2837,
0.3358

 0.6045, 0.0009,
0.4052

222.5985, 0.2856,

 0.0000, 0.0000,

0.3354

0.0000

269.6641, 0.2873,
0.3350

■ 34.6309, 0.2628,
0.3403

■ 34.6309, 0.2628,
0.3403

■ 33.6714, 0.2535,
0.3436

■ 35.8001, 0.2736,
0.3372

■ 32.9048, 0.2459,
0.3469

■ 37.1865, 0.2856,
0.3343

■ 32.3182, 0.2402,
0.3504


■ 38.8023, 0.2986,
0.3316


■ 31.8954, 0.2363,
0.3538


■ 40.6576, 0.3122,
0.3291

■ 31.6176, 0.2342,
0.3573

■ 42.7620, 0.3263,
0.3268

 31.4465, 0.2335,
0.3606

 45.1243, 0.3406,
0.3248

 47.7531, 0.3549,
0.3231

 50.6565, 0.3689,
0.3215

 53.6666, 0.3818,
0.3201

Harmonies

Analogous

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



34.6309, 0.2925, 0.3735



34.6309, 0.2628, 0.3403



34.6309, 0.2466, 0.3058

Triad

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



34.6309, 0.2628, 0.3403



34.6309, 0.2935, 0.2734



34.6309, 0.3826, 0.3733

Complementary

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



34.6309, 0.2628, 0.3403



19.2703, 0.4018, 0.3185

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.



34.6309, 0.3837, 0.3455



34.6309, 0.2628, 0.3403



34.6309, 0.3305, 0.2899

Square

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



34.6309, 0.2628, 0.3403



34.6309, 0.2635, 0.2697



34.6309, 0.3642, 0.3156



34.6309, 0.3620, 0.3917

Rectangle

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



34.6309, 0.2628, 0.3403



34.6309, 0.2449, 0.2876



34.6309, 0.3642, 0.3156



34.6309, 0.3853, 0.3647

Sweetspot

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



34.6323, 0.2628, 0.3403



68.9174, 0.2961, 0.3321



33.4055, 0.3137, 0.4478



15.2851, 0.2944, 0.3324



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.



34.6323, 0.2628, 0.3403



60.5367, 0.2548, 0.3431



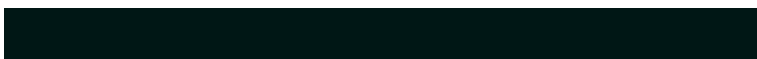
25.8829, 0.2513, 0.2841



9.0578, 0.2999, 0.3313



23.7102, 0.2334, 0.3602



0.6635, 0.2305, 0.3498

Inverse Universe

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



19.2703, 0.4018, 0.3185



29.3613, 0.4316, 0.3166



25.1777, 0.3957, 0.3694



8.0281, 0.3271, 0.3267



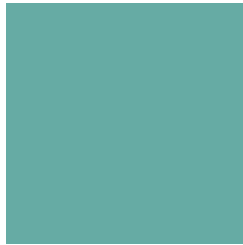
6.5621, 0.6259, 0.3222



0.1867, 0.5744, 0.2938

Previews

White Background



This preview shows how the Yxy color 34.6309, 0.2628, 0.3403 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 34.6309, 0.2628, 0.3403 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

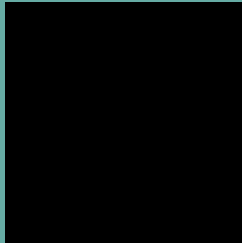
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.6309, 0.2628, 0.3403

Background



This preview shows how black text looks on a background with the Yxy color 34.6309, 0.2628, 0.3403.

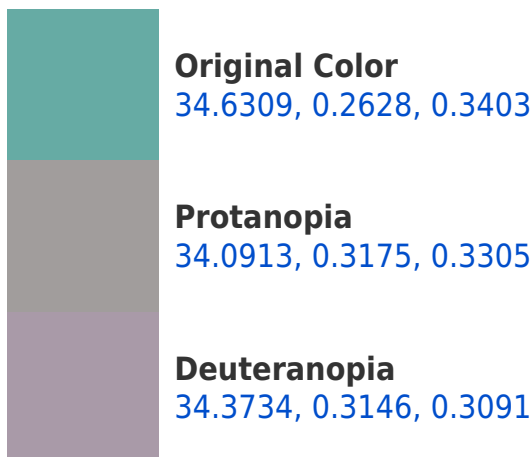


This preview shows how white text looks on a background with the Yxy color 34.6309, 0.2628, 0.3403.

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





Tritanopia

34.5085, 0.2536, 0.3069

Trichromacy



Original Color

34.6309, 0.2628, 0.3403

Protanomaly

33.9193, 0.2950, 0.3336

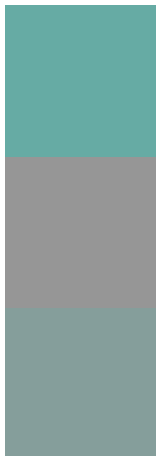
Deuteranomaly

33.9514, 0.2928, 0.3184

Tritanomaly

34.4743, 0.2570, 0.3193

Monochromacy



Original Color

34.6309, 0.2628, 0.3403

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

31.8068, 0.2919, 0.3337

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.6309, 0.2628, 0.3403 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(102, 171, 164)` looks like.

```
.text, #text, p{  
    color:rgb(102, 171, 164)  
}
```

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(102, 171, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 171, 164) }
```

Border

The CSS property to change the border of an element to Yxy 34.6309, 0.2628, 0.3403 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(102, 171, 164) }
```

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

```
.border{ border-color:rgb(102, 171, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 171, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 171, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 171, 164);  
box-shadow:4px 4px 4px 4px rgb(102, 171,  
164) }
```


Background

The CSS property to change the background color of an element to Yxy 34.6309, 0.2628, 0.3403 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 171, 164) }
```

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

```
.background{ background-color: rgb(102,  
171, 164) }
```

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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