

Converting Colors

$Y_{xy}(35.0399, 0.2700, 0.3098)$

Have a look what the booklet for
Yxy(35.0399, 0.2700, 0.3098)
contains.

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Color

Yxy(34.9988, 0.2700, 0.3106)

Conversions

Conversions Part 1

Format	Color
Hex	7FA6B2
RGB	127, 166, 178
RGB Percent	50%, 65%, 70%
CMY	0.5019, 0.3490, 0.3021
CMYK	0.29, 0.07, 0.00, 0.30
HSL	194°, 25%, 60%
HSV	194°, 29%, 70%
XYZ	30.4239, 34.9988, 47.2585
YIQ	155.7070, -27.0960, -4.5360

Conversions

Conversions Part 2

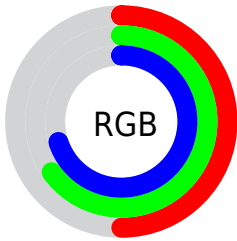
Format	Color
RYB	127, 149, 178
Decimal	8365746
CIELab	65.75, -10.33, -10.48
CIElCh	66, 14.719, 225.414
Yxy	34.9988, 0.2700, 0.3106
Android (android.graphics.Color)	4286555826 (0xFF7FA6B2)
YUV	155.7070, 10.9904, -25.1760
Hunter-Lab	59.1598, -11.7329, -5.9507

Details

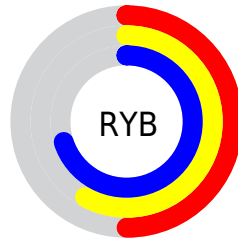
The Yxy color **34.9988, 0.2700, 0.3106** is a light color, and the websafe version is hex **669999**. A complement of this color would be **29.4569, 0.3697, 0.3466**, and the grayscale version is **33.0689, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.4772, 0.2780, 0.3139**, and **15.0518, 0.2571, 0.3048** is the 20% darker color. If you saturate the color by 10%, you get **32.2563, 0.2561, 0.3031**, and if you desaturate by 10%, it is **38.0349, 0.2846, 0.3176**.

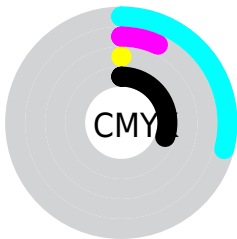
Distribution



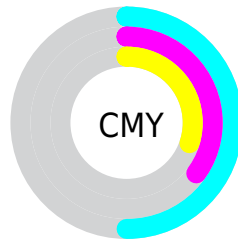
- Red (50%)
- Green (65%)
- Blue (70%)



- Red (50%)
- Yellow (58%)
- Blue (70%)



- Cyan (29%)
- Magenta (7%)
- Yellow (0%)
- Black (30%)



- Cyan (50%)
- Magenta (35%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 34.9988, 0.2700, 0.3106 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 34.9988, 0.2700, 0.3106 by changing the saturation by 10% instead.

■ 34.9988, 0.2700,
0.3106

■ 34.9988, 0.2700,
0.3106

■ 324.5630, 0.2921,
0.3205

■ 23.6620, 0.2643,
0.3079

■ 67.4839, 0.2782,
0.3144

■ 15.0830, 0.2568,
0.3042

■ 89.4010, 0.2812,
0.3158

■ 8.8777, 0.2465,
0.2991

■ 115.6135, 0.2838,
0.3169

■ 4.6615, 0.2318,
0.2913

■ 146.5060, 0.2859,
0.3178

■ 2.0500, 0.2090,
0.2783

■ 182.4628, 0.2878,
0.3187

■ 0.6363, 0.1415,
0.2553

■ 223.8683, 0.2894,

■ 0.0000, 0.0000,

0.3194

0.0000

271.1069, 0.2908,
0.3200

■ 34.9988, 0.2700,
0.3106

■ 34.9988, 0.2700,
0.3106

■ 32.2563, 0.2561,
0.3031

■ 38.0349, 0.2846,
0.3176

■ 29.7901, 0.2433,
0.2952

■ 41.3727, 0.2996,
0.3239

■ 27.5871, 0.2319,
0.2870

■ 45.0251, 0.3148,
0.3298

■ 25.6317, 0.2221,
0.2784

■ 49.0027, 0.3299,
0.3350

■ 23.9059, 0.2141,
0.2698

■ 53.3158, 0.3447,
0.3397

■ 22.3889, 0.2081,
0.2612

■ 57.9742, 0.3591,
0.3438

■ 21.0444, 0.2038,
0.2527

■ 62.9873, 0.3729,
0.3474

■ 20.8671, 0.2032,
0.2515

■ 65.5303, 0.3745,
0.3515

■ 67.4870, 0.3732,
0.3558

Harmonies

Analogous

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



34.9988, 0.2780, 0.3309



34.9988, 0.2700, 0.3106



34.9988, 0.2729, 0.2964

Triad

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



34.9988, 0.2700, 0.3106



34.9988, 0.3296, 0.3079



34.9988, 0.3390, 0.3688

Complementary

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



34.9988, 0.2700, 0.3106



29.4569, 0.3697, 0.3466

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.



34.9988, 0.3539, 0.3608



34.9988, 0.2700, 0.3106



34.9988, 0.3485, 0.3257

Square

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



34.9988, 0.2700, 0.3106



34.9988, 0.3067, 0.2955



34.9988, 0.3574, 0.3448



34.9988, 0.3175, 0.3657

Rectangle

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



34.9988, 0.2700, 0.3106



34.9988, 0.2807, 0.2918



34.9988, 0.3574, 0.3448



34.9988, 0.3450, 0.3673

Sweetspot

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



35.0002, 0.2700, 0.3106



74.7189, 0.2988, 0.3236



38.2060, 0.3000, 0.3909



16.3536, 0.2966, 0.3227



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



35.0002, 0.2700, 0.3106



60.4633, 0.2616, 0.3062



26.6601, 0.2658, 0.2699



9.2863, 0.2986, 0.3235



15.0347, 0.2035, 0.2525



0.5555, 0.2101, 0.2762

Inverse Universe

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



27.3982, 0.3287, 0.2744



44.8270, 0.3329, 0.2628



37.6845, 0.3600, 0.3818



8.6119, 0.3172, 0.3117



8.0579, 0.3898, 0.1921



0.2619, 0.3670, 0.1795

Previews

White Background



This preview shows how the Yxy color 34.9988, 0.2700, 0.3106 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 34.9988, 0.2700, 0.3106 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

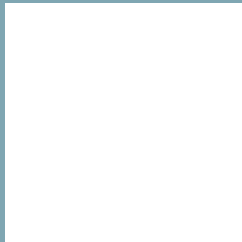
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 34.9988, 0.2700, 0.3106

Background



This preview shows how black text looks on a background with the Yxy color 34.9988, 0.2700, 0.3106.

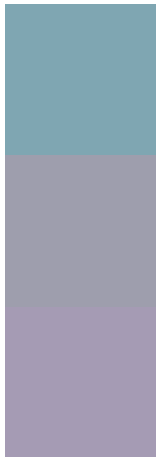


This preview shows how white text looks on a background with the Yxy color 34.9988, 0.2700, 0.3106.

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

34.9988, 0.2700, 0.3106

Protanopia

34.7400, 0.2996, 0.3073

Deuteranopia

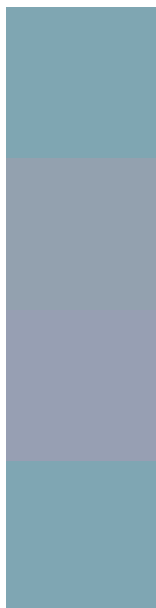
34.7373, 0.3001, 0.2938



Tritanopia

35.0391, 0.2693, 0.3091

Trichromacy



Original Color

34.9988, 0.2700, 0.3106

Protanomaly

34.7879, 0.2881, 0.3082

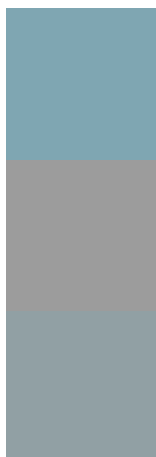
Deuteranomaly

34.6303, 0.2883, 0.2998

Tritanomaly

35.0391, 0.2693, 0.3091

Monochromacy



Original Color

34.9988, 0.2700, 0.3106

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

33.8417, 0.2953, 0.3229

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.9988, 0.2700, 0.3106 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(127, 166, 178)` looks like.

```
.text, #text, p{  
    color:rgb(127, 166, 178)  
}
```

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(127, 166, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 166, 178) }
```

Border

The CSS property to change the border of an element to Yxy 34.9988, 0.2700, 0.3106 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(127, 166, 178) }
```

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

```
.border{ border-color:rgb(127, 166, 178) }
```

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

Here you see how a box with a 4 pixel rgb(127, 166, 178) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 166, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 166, 178);  
box-shadow:4px 4px 4px 4px rgb(127, 166,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 34.9988, 0.2700, 0.3106 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 166, 178) }
```

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

```
.background{ background-color: rgb(127,  
166, 178) }
```

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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