

Converting Colors

$Y_{xy}(34.7590, 0.2575, 0.3288)$

Have a look what the booklet for
Yxy(34.7590, 0.2575, 0.3288)
contains.

Yxy(34.8328, 0.2575, 0.3288)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(34.8328, 0.2575, 0.3288)

Conversions

Conversions Part 1

Format	Color
Hex	65ABAB
RGB	101, 171, 171
RGB Percent	40%, 67%, 67%
CMY	0.6041, 0.3294, 0.3293
CMYK	0.41, 0.00, 0.00, 0.33
HSL	180°, 29%, 53%
HSV	180°, 41%, 67%
XYZ	27.2793, 34.8328, 43.8270
YIQ	150.0700, -41.7200, -14.8400

Conversions

Conversions Part 2

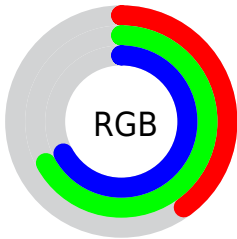
Format	Color
RYB	101, 136, 171
Decimal	6663083
CIELab	65.62, -21.99, -6.95
CIElCh	66, 23.061, 197.536
Yxy	34.8328, 0.2575, 0.3288
Android (android.graphics.Color)	4284853163 (0xFF65ABAB)
YUV	150.0700, 10.3185, -43.0344
Hunter-Lab	59.0193, -20.7793, -2.7145

Details

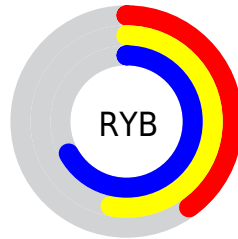
The Yxy color **34.8328, 0.2575, 0.3288** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **18.9049, 0.4146, 0.3293**, and the grayscale version is **30.4971, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.4971, 0.2685, 0.3301**, and **15.1064, 0.2406, 0.3288** is the 20% darker color. If you saturate the color by 10%, you get **33.9459, 0.2475, 0.3288**, and if you desaturate by 10%, it is **35.9278, 0.2691, 0.3288**.

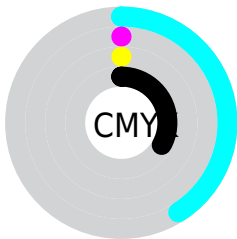
Distribution



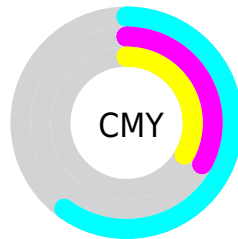
- Red (40%)
- Green (67%)
- Blue (67%)



- Red (40%)
- Yellow (53%)
- Blue (67%)



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





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.8328, 0.2575, 0.3288 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 34.8328, 0.2575, 0.3288 by changing the saturation by 10% instead.


 34.8328, 0.2575,
0.3288


 34.8328, 0.2575,
0.3288


323.8297, 0.2860,
0.3294

 23.5341, 0.2501,
0.3284


 67.2267, 0.2681,
0.3292

 14.9884, 0.2404,
0.3279


 89.0906, 0.2720,
0.3293

 8.8112, 0.2273,
0.3268


 115.2451, 0.2753,
0.3293

 4.6183, 0.2085,
0.3248

 146.0746, 0.2780,
0.3294

 2.0251, 0.1796,
0.3204

181.9634, 0.2805,
0.3294

 0.6220, 0.0293,
0.3356

223.2959, 0.2825,

 0.0000, 0.0000,

0.3294

0.0000

270.4565, 0.2844,
0.3294

■ 34.8328, 0.2575,
0.3288

■ 34.8328, 0.2575,
0.3288

■ 33.9459, 0.2475,
0.3288

■ 35.9278, 0.2691,
0.3288

■ 33.2503, 0.2394,
0.3287

■ 37.2386, 0.2821,
0.3289

■ 32.7329, 0.2331,
0.3287

■ 38.7773, 0.2962,
0.3289


■ 32.3775, 0.2287,
0.3287

■ 40.5542, 0.3112,
0.3290

■ 32.1648, 0.2260,
0.3287


■ 42.5788, 0.3268,
0.3290

 32.0576, 0.2246,
0.3286

 44.8599, 0.3427,
0.3291

 47.4063, 0.3586,
0.3292

 50.2260, 0.3744,
0.3292

 53.3268, 0.3898,
0.3293

Harmonies

Analogous

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



34.8328, 0.2827, 0.3627



34.8328, 0.2575, 0.3288



34.8328, 0.2467, 0.2973

Triad

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



34.8328, 0.2575, 0.3288



34.8328, 0.3053, 0.2788



34.8328, 0.3760, 0.3793

Complementary

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



34.8328, 0.2575, 0.3288



18.9049, 0.4146, 0.3293

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.



34.8328, 0.3835, 0.3543



34.8328, 0.2575, 0.3288



34.8328, 0.3414, 0.2982

Square

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



34.8328, 0.2575, 0.3288



34.8328, 0.2731, 0.2709



34.8328, 0.3707, 0.3252



34.8328, 0.3512, 0.3923

Rectangle

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



34.8328, 0.2575, 0.3288



34.8328, 0.2486, 0.2822



34.8328, 0.3707, 0.3252



34.8328, 0.3807, 0.3719

Sweetspot

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



34.8342, 0.2575, 0.3288



69.0569, 0.2944, 0.3289



32.8400, 0.3069, 0.4524



15.3193, 0.2926, 0.3289



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.



34.8342, 0.2575, 0.3288



60.9311, 0.2486, 0.3288



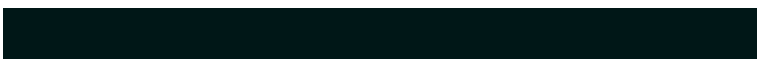
23.3134, 0.2481, 0.2688



9.0717, 0.2987, 0.3290



24.1581, 0.2246, 0.3286



0.6722, 0.2246, 0.3287

Inverse Universe

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



20.9022, 0.3174, 0.2303



32.6123, 0.3183, 0.2111



27.2073, 0.3924, 0.3819



8.1481, 0.3138, 0.3067



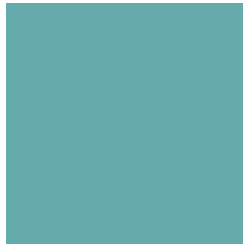
8.7418, 0.3210, 0.1542



0.2432, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 34.8328, 0.2575, 0.3288 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 34.8328, 0.2575, 0.3288 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

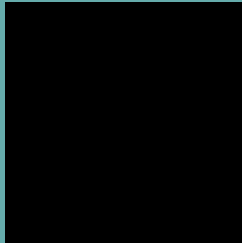
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.8328, 0.2575, 0.3288

Background



This preview shows how black text looks on a background with the Yxy color 34.8328, 0.2575, 0.3288.

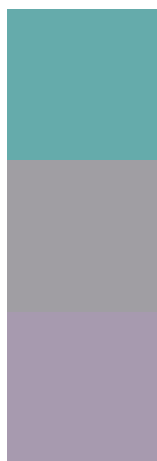


This preview shows how white text looks on a background with the Yxy color 34.8328, 0.2575, 0.3288.

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

34.8328, 0.2575, 0.3288

Protanopia

34.5716, 0.3102, 0.3217

Deuteranopia

34.4218, 0.3064, 0.2993



Tritanopia

34.7379, 0.2513, 0.3069

Trichromacy



Original Color

34.8328, 0.2575, 0.3288

Protanomaly

34.4365, 0.2885, 0.3243

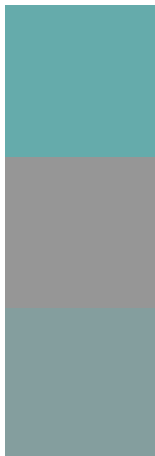
Deuteranomaly

34.0372, 0.2853, 0.3080

Tritanomaly

34.8877, 0.2534, 0.3146

Monochromacy



Original Color

34.8328, 0.2575, 0.3288

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

31.8279, 0.2885, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.8328, 0.2575, 0.3288 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, 171)` looks like.

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

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, 171) colored shadow looks like.

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

Border

The CSS property to change the border of an element to Yxy 34.8328, 0.2575, 0.3288 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, 171) }
```

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

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

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, 171)` colored shadow looks like.

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


Background

The CSS property to change the background color of an element to Yxy 34.8328, 0.2575, 0.3288 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, 171) }
```

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

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

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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