

Converting Colors

$Yxy(33.9380, 0.2601, 0.3176)$

Have a look what the booklet for
Yxy(33.9380, 0.2601, 0.3176)
contains.

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Color

Yxy(33.9446, 0.2599, 0.3177)

Conversions

Conversions Part 1

Format	Color
Hex	6DA7AE
RGB	109, 167, 174
RGB Percent	43%, 65%, 68%
CMY	0.5724, 0.3451, 0.3177
CMYK	0.37, 0.04, 0.00, 0.32
HSL	186°, 29%, 55%
HSV	186°, 37%, 68%
XYZ	27.7690, 33.9446, 45.1313
YIQ	150.4560, -36.8150, -10.1190

Conversions

Conversions Part 2

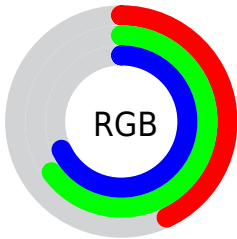
Format	Color
R _{YB}	109, 140, 174
Decimal	7186350
CIE _{Lab}	64.92, -17.01, -9.61
CIE _{LCh}	65, 19.536, 209.450
Y _{xy}	33.9446, 0.2599, 0.3177
Android (android.graphics.Color)	4285376430 (0xFF6DA7AE)
YUV	150.4560, 11.6072, -36.3569
Hunter-Lab	58.2620, -16.8814, -5.1442

Details

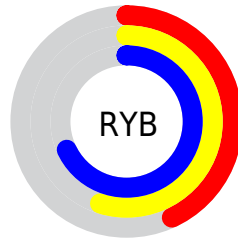
The Yxy color **33.9446, 0.2599, 0.3177** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **22.6052, 0.3979, 0.3398**, and the grayscale version is **30.6690, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.6862, 0.2702, 0.3205**, and **14.5074, 0.2430, 0.3127** is the 20% darker color. If you saturate the color by 10%, you get **32.2666, 0.2483, 0.3142**, and if you desaturate by 10%, it is **35.8537, 0.2729, 0.3210**.

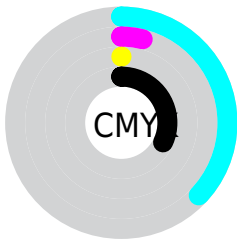
Distribution



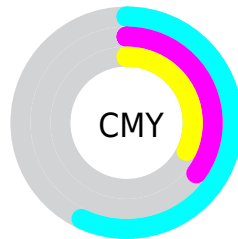
- Red (43%)
- Green (65%)
- Blue (68%)



- Red (43%)
- Yellow (55%)
- Blue (68%)



- Cyan (37%)
- Magenta (4%)
- Yellow (0%)
- Black (32%)




- Cyan (57%)
- Magenta (35%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.9446, 0.2599, 0.3177 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 33.9446, 0.2599, 0.3177 by changing the saturation by 10% instead.


 33.9446, 0.2599,
0.3177


 33.9446, 0.2599,
0.3177

319.8850, 0.2872,
0.3242

 22.8510, 0.2528,
0.3158


 65.8475, 0.2701,
0.3203

 14.4836, 0.2435,
0.3132


 87.4256, 0.2738,
0.3211

 8.4577, 0.2308,
0.3093

 113.2674, 0.2769,
0.3219

 4.3892, 0.2126,
0.3032

 143.7573, 0.2796,
0.3225

 1.8936, 0.1845,
0.2923

179.2795, 0.2819,
0.3230

 0.5445, 0.0526,
0.2802

220.2187, 0.2839,

 0.0000, 0.0000,

0.3234

0.0000

266.9590, 0.2857,
0.3238

■ 33.9446, 0.2599,
0.3177

■ 33.9446, 0.2599,
0.3177

■ 32.2666, 0.2483,
0.3142

■ 35.8537, 0.2729,
0.3210

■ 30.8028, 0.2382,
0.3106

■ 38.0017, 0.2869,
0.3241

■ 29.5400, 0.2299,
0.3069

■ 40.4013, 0.3016,
0.3270

■ 28.4622, 0.2235,
0.3032

■ 43.0626, 0.3168,
0.3297

■ 27.5503, 0.2189,
0.2995

■ 45.9954, 0.3322,
0.3321

■ 26.7761, 0.2159,
0.2959

■ 49.2091, 0.3476,
0.3342

■ 26.5787, 0.2153,
0.2949

■ 52.7124, 0.3628,
0.3361

■ 56.5137, 0.3776,
0.3378

■ 58.5462, 0.3828,
0.3396

Harmonies

Analogous

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



33.9446, 0.2772, 0.3467



33.9446, 0.2599, 0.3177



33.9446, 0.2561, 0.2938

Triad

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



33.9446, 0.2599, 0.3177



33.9446, 0.3189, 0.2913



33.9446, 0.3600, 0.3781

Complementary

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



33.9446, 0.2599, 0.3177



22.6052, 0.3979, 0.3398

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.



33.9446, 0.3727, 0.3604



33.9446, 0.2599, 0.3177



33.9446, 0.3484, 0.3113

Square

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



33.9446, 0.2599, 0.3177



33.9446, 0.2889, 0.2802



33.9446, 0.3685, 0.3361



33.9446, 0.3347, 0.3830

Rectangle

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



33.9446, 0.2599, 0.3177



33.9446, 0.2614, 0.2837



33.9446, 0.3685, 0.3361



33.9446, 0.3659, 0.3734

Sweetspot

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



33.9459, 0.2599, 0.3177



71.5483, 0.2958, 0.3259



34.7757, 0.3028, 0.4285



15.7738, 0.2939, 0.3256



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



33.9459, 0.2599, 0.3177



58.9711, 0.2500, 0.3148



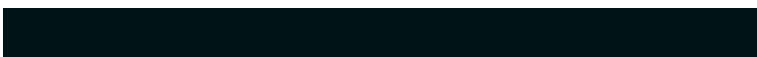
23.6453, 0.2522, 0.2637



8.9224, 0.2986, 0.3265



19.3306, 0.2154, 0.2953



0.5789, 0.2184, 0.3064

Inverse Universe

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



22.7352, 0.3250, 0.2471



35.8999, 0.3284, 0.2295



31.2887, 0.3804, 0.3863



8.1330, 0.3153, 0.3090



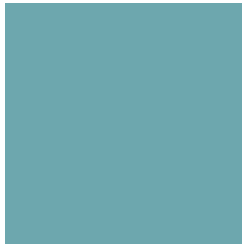
8.2545, 0.3496, 0.1699



0.2338, 0.3399, 0.1646

Previews

White Background



This preview shows how the Yxy color 33.9446, 0.2599, 0.3177 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 33.9446, 0.2599, 0.3177 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

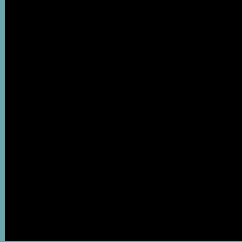
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.9446, 0.2599, 0.3177

Background



This preview shows how black text looks on a background with the Yxy color 33.9446, 0.2599, 0.3177.

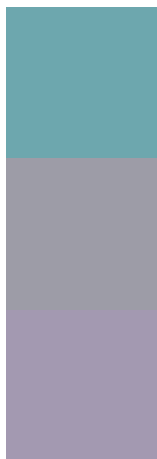


This preview shows how white text looks on a background with the Yxy color 33.9446, 0.2599, 0.3177.

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

33.9446, 0.2599, 0.3177

Protanopia

33.7351, 0.3038, 0.3128

Deuteranopia

33.7433, 0.3008, 0.2948



Tritanopia

33.8421, 0.2570, 0.3084

Trichromacy



Original Color

33.9446, 0.2599, 0.3177

Protanomaly

33.6193, 0.2859, 0.3137

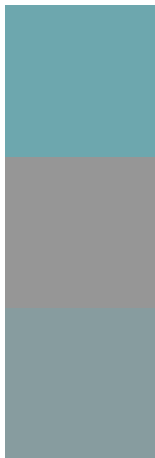
Deuteranomaly

33.4279, 0.2836, 0.3020

Tritanomaly

33.7618, 0.2583, 0.3115

Monochromacy



Original Color

33.9446, 0.2599, 0.3177

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

31.4310, 0.2902, 0.3242

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.9446, 0.2599, 0.3177 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(109, 167, 174)` looks like.

```
.text, #text, p{  
    color:rgb(109, 167, 174)  
}
```

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(109, 167, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 167, 174) }
```

Border

The CSS property to change the border of an element to Yxy 33.9446, 0.2599, 0.3177 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(109, 167, 174) }
```

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

```
.border{ border-color:rgb(109, 167, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 167, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 167, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 167, 174);  
box-shadow:4px 4px 4px 4px rgb(109, 167,  
174) }
```


Background

The CSS property to change the background color of an element to Yxy 33.9446, 0.2599, 0.3177 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 167, 174) }
```

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

```
.background{ background-color: rgb(109,  
167, 174) }
```

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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