

Converting Colors

$Yxy(33.2986, 0.2496, 0.3127)$

Have a look what the booklet for
Yxy(33.2986, 0.2496, 0.3127)
contains.

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Color

Yxy(33.2986, 0.2496, 0.3127)

Conversions

Conversions Part 1

Format	Color
Hex	60A7B1
RGB	96, 167, 177
RGB Percent	38%, 65%, 69%
CMY	0.6234, 0.3451, 0.3060
CMYK	0.46, 0.06, 0.00, 0.31
HSL	187°, 34%, 54%
HSV	187°, 46%, 69%
XYZ	26.5792, 33.2986, 46.6095
YIQ	146.9110, -45.5260, -11.9420

Conversions

Conversions Part 2

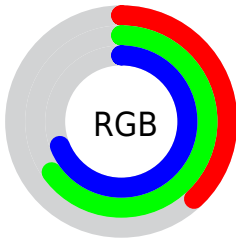
Format	Color
RYB	96, 134, 177
Decimal	6334385
CIELab	64.40, -19.59, -12.11
CIElCh	64, 23.031, 211.713
Yxy	33.2986, 0.2496, 0.3127
Android (android.graphics.Color)	4284524465 (0xFF60A7B1)
YUV	146.9110, 14.8339, -44.6489
Hunter-Lab	57.7049, -18.7655, -7.4964

Details

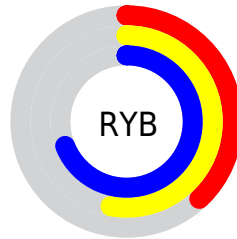
The Yxy color **33.2986, 0.2496, 0.3127** is a light color, and the websafe version is hex **669999**. A complement of this color would be **20.5010, 0.4262, 0.3440**, and the grayscale version is **29.0941, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.7051, 0.2614, 0.3156**, and **14.1480, 0.2306, 0.3076** is the 20% darker color. If you saturate the color by 10%, you get **31.6525, 0.2391, 0.3086**, and if you desaturate by 10%, it is **35.1769, 0.2616, 0.3167**.

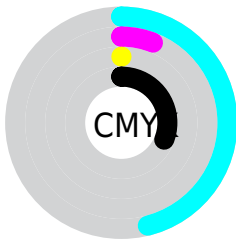
Distribution



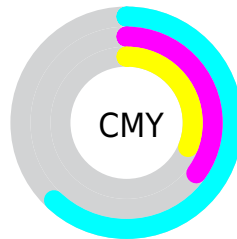
- Red (38%)
- Green (65%)
- Blue (69%)



- Red (38%)
- Yellow (53%)
- Blue (69%)



- Cyan (46%)
- Magenta (6%)
- Yellow (0%)
- Black (31%)





- Cyan (62%)
- Magenta (35%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.2986, 0.2496, 0.3127 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 33.2986, 0.2496, 0.3127 by changing the saturation by 10% instead.


 33.2986, 0.2496,
0.3127

 33.2986, 0.2496,
0.3127


316.9931, 0.2822,
0.3220


 22.3553, 0.2412,
0.3100


 64.8414, 0.2617,
0.3164

 14.1182, 0.2301,
0.3062


 86.2098, 0.2662,
0.3177

 8.2029, 0.2152,
0.3007


 111.8219, 0.2699,
0.3187

 4.2251, 0.1940,
0.2919

 142.0622, 0.2731,
0.3196

 1.8002, 0.1617,
0.2766

177.3150, 0.2759,
0.3203

 0.4873, 0.0000,
0.2530

217.9649, 0.2783,

 0.0000, 0.0000,

0.3210

0.0000

264.3961, 0.2804,
0.3215

■ 33.2986, 0.2496,
0.3127

■ 33.2986, 0.2496,
0.3127

■ 31.6525, 0.2391,
0.3086

■ 35.1769, 0.2616,
0.3167

■ 30.2199, 0.2303,
0.3043

■ 37.2969, 0.2749,
0.3205

■ 28.9856, 0.2234,
0.3000

■ 39.6721, 0.2891,
0.3240

■ 27.9305, 0.2183,
0.2958

■ 42.3141, 0.3040,
0.3273

■ 27.0300, 0.2150,
0.2915

■ 45.2335, 0.3193,
0.3302

■ 26.6699, 0.2138,
0.2897

■ 48.4405, 0.3346,
0.3329

■ 51.9445, 0.3499,
0.3353

■ 55.7548, 0.3650,
0.3375

■ 59.8197, 0.3793,
0.3393

Harmonies

Analogous

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



33.2986, 0.2687, 0.3474



33.2986, 0.2496, 0.3127



33.2986, 0.2465, 0.2854

Triad

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



33.2986, 0.2496, 0.3127



33.2986, 0.3226, 0.2862



33.2986, 0.3667, 0.3882

Complementary

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



33.2986, 0.2496, 0.3127



20.5010, 0.4262, 0.3440

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.



33.2986, 0.3834, 0.3676



33.2986, 0.2496, 0.3127



33.2986, 0.3574, 0.3100

Square

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



33.2986, 0.2496, 0.3127



33.2986, 0.2869, 0.2723



33.2986, 0.3802, 0.3391



33.2986, 0.3359, 0.3931

Rectangle

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



33.2986, 0.2496, 0.3127



33.2986, 0.2535, 0.2745



33.2986, 0.3802, 0.3391



33.2986, 0.3743, 0.3827

Sweetspot

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



33.2999, 0.2496, 0.3127



71.7479, 0.2913, 0.3245



34.9544, 0.2999, 0.4534



15.3426, 0.2882, 0.3238



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.



33.2999, 0.2496, 0.3127



56.6476, 0.2389, 0.3085



20.8578, 0.2374, 0.2432



9.4492, 0.2986, 0.3261



19.3885, 0.2140, 0.2902



0.6599, 0.2172, 0.3020

Inverse Universe

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



20.5072, 0.3299, 0.2310



31.3476, 0.3347, 0.2120



30.7325, 0.3981, 0.4010



8.6283, 0.3156, 0.3093



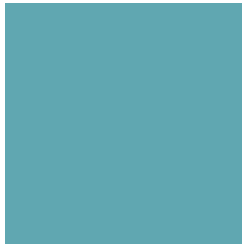
8.4974, 0.3541, 0.1725



0.2724, 0.3437, 0.1667

Previews

White Background



This preview shows how the Yxy color 33.2986, 0.2496, 0.3127 looks on a white background.

Color Contrast Check

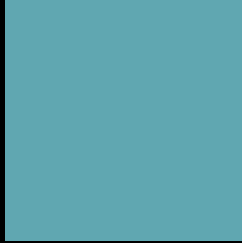
Large Text (above 18pt) WCAG AA × Fail

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 33.2986, 0.2496, 0.3127 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

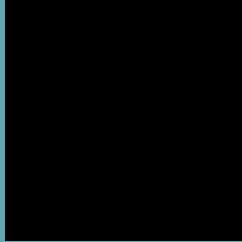
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

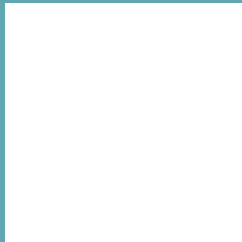
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 33.2986, 0.2496, 0.3127

Background



This preview shows how black text looks on a background with the Yxy color 33.2986, 0.2496, 0.3127.

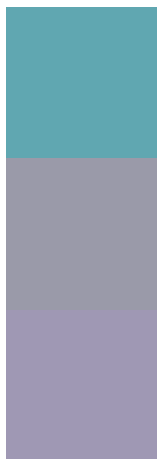


This preview shows how white text looks on a background with the Yxy color 33.2986, 0.2496, 0.3127.

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

33.2986, 0.2496, 0.3127

Protanopia

32.8458, 0.2993, 0.3068

Deuteranopia

33.1227, 0.2944, 0.2888



Tritanopia

33.4741, 0.2483, 0.3080

Trichromacy



Original Color

33.2986, 0.2496, 0.3127

Protanomaly

32.7614, 0.2783, 0.3088

Deuteranomaly

32.6029, 0.2752, 0.2956

Tritanomaly

33.4335, 0.2489, 0.3096

Monochromacy



Original Color

33.2986, 0.2496, 0.3127

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

30.1690, 0.2846, 0.3224

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.2986, 0.2496, 0.3127 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(96, 167, 177)` looks like.

```
.text, #text, p{  
    color:rgb(96, 167, 177)  
}
```

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(96, 167, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 167, 177) }
```

Border

The CSS property to change the border of an element to Yxy 33.2986, 0.2496, 0.3127 is called "border". The border property can be set on classes, ids or directly on the HTML element.

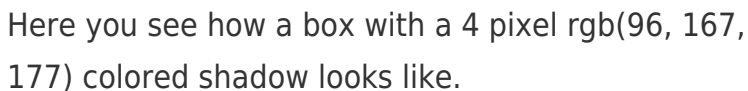
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(96, 167, 177) }
```

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

```
.border{ border-color:rgb(96, 167, 177) }
```

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



Here you see how a box with a 4 pixel `rgb(96, 167, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(96, 167, 177); -webkit-box-shadow:4px 4px 4px 4px rgb(96, 167, 177); box-shadow:4px 4px 4px 4px rgb(96, 167, 177) }
```


Background

The CSS property to change the background color of an element to Yxy 33.2986, 0.2496, 0.3127 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 167, 177) }
```

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

```
.background{ background-color: rgb(96, 167,  
177) }
```

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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