

Converting Colors

$Y_{xy}(33.3645, 0.2578, 0.3240)$

Have a look what the booklet for
Yxy(33.3645, 0.2578, 0.3240)
contains.

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Color

Yxy(33.3645, 0.2578, 0.3240)

Conversions

Conversions Part 1

Format	Color
Hex	66A7AA
RGB	102, 167, 170
RGB Percent	40%, 65%, 67%
CMY	0.6002, 0.3450, 0.3334
CMYK	0.40, 0.02, 0.00, 0.33
HSL	183°, 29%, 53%
HSV	183°, 40%, 67%
XYZ	26.5474, 33.3645, 43.0649
YIQ	147.9070, -39.7030, -12.8470

Conversions

Conversions Part 2

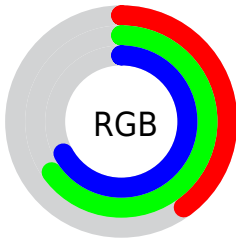
Format	Color
R_{YB}	102, 135, 170
Decimal	6727594
CIE _{Lab}	64.45, -19.95, -8.09
CIE _{LCh}	64, 21.530, 202.079
Yxy	33.3645, 0.2578, 0.3240
Android (android.graphics.Color)	4284917674 (0xFF66A7AA)
YUV	147.9070, 10.8918, -40.2604
Hunter-Lab	57.7620, -19.0449, -3.7707

Details

The Yxy color **33.3645, 0.2578, 0.3240** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **19.5879, 0.4093, 0.3339**, and the grayscale version is **29.5343, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.7467, 0.2683, 0.3252**, and **14.1979, 0.2406, 0.3217** is the 20% darker color. If you saturate the color by 10%, you get **32.2016, 0.2473, 0.3226**, and if you desaturate by 10%, it is **34.7351, 0.2699, 0.3254**.

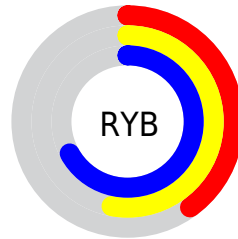
Distribution



Red (40%)

Green (65%)

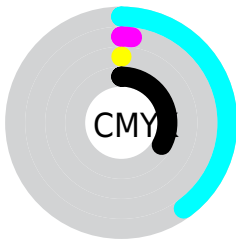
Blue (67%)



Red (40%)

Yellow (53%)

Blue (67%)

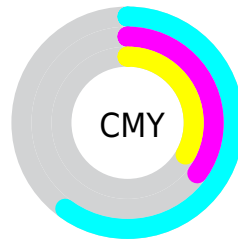


Cyan (40%)

Magenta (2%)

Yellow (0%)

Black (33%)



Cyan (60%)


Magenta (35%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.3645, 0.2578, 0.3240 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 33.3645, 0.2578, 0.3240 by changing the saturation by 10% instead.


 33.3645, 0.2578,
0.3240


 33.3645, 0.2578,
0.3240


317.2890, 0.2863,
0.3272

 22.4058, 0.2503,
0.3230


 64.9442, 0.2684,
0.3253


 14.1554, 0.2406,
0.3214


 86.3340, 0.2723,
0.3258

 8.2288, 0.2272,
0.3191


 111.9696, 0.2756,
0.3261

 4.2417, 0.2080,
0.3151

 142.2355, 0.2784,
0.3264

 1.8097, 0.1782,
0.3074

177.5159, 0.2808,
0.3267

 0.4932, 0.0000,
0.3077

218.1954, 0.2829,

 0.0000, 0.0000,

0.3269

0.0000

264.6583, 0.2847,
0.3270

■ 33.3645, 0.2578,
0.3240

■ 33.3645, 0.2578,
0.3240

■ 32.2016, 0.2473,
0.3226

■ 34.7351, 0.2699,
0.3254

■ 31.2301, 0.2384,
0.3211

■ 36.3211, 0.2832,
0.3267

■ 30.4373, 0.2314,
0.3197


■ 38.1343, 0.2976,
0.3279

■ 29.8073, 0.2263,
0.3182


■ 40.1848, 0.3127,
0.3290

■ 29.3216, 0.2230,
0.3168


■ 42.4817, 0.3282,
0.3300

 28.9402, 0.2210,
0.3154

 45.0339, 0.3439,
0.3310

 47.8499, 0.3595,
0.3318

 50.9376, 0.3749,
0.3325

 54.3047, 0.3898,
0.3331

Harmonies

Analogous

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



33.3645, 0.2800, 0.3564



33.3645, 0.2578, 0.3240



33.3645, 0.2498, 0.2954

Triad

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



33.3645, 0.2578, 0.3240



33.3645, 0.3109, 0.2834



33.3645, 0.3700, 0.3795

Complementary

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



33.3645, 0.2578, 0.3240



19.5879, 0.4093, 0.3339

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.



33.3645, 0.3799, 0.3572



33.3645, 0.2578, 0.3240



33.3645, 0.3448, 0.3033

Square

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



33.3645, 0.2578, 0.3240



33.3645, 0.2792, 0.2741



33.3645, 0.3706, 0.3297



33.3645, 0.3447, 0.3893

Rectangle

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



33.3645, 0.2578, 0.3240



33.3645, 0.2532, 0.2822



33.3645, 0.3706, 0.3297



33.3645, 0.3753, 0.3731

Sweetspot

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



33.3658, 0.2578, 0.3240



68.4459, 0.2944, 0.3276



32.5700, 0.3055, 0.4450



15.1691, 0.2926, 0.3275



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.



33.3658, 0.2578, 0.3240



58.6622, 0.2484, 0.3228



22.6888, 0.2490, 0.2663



8.4750, 0.2987, 0.3280



21.3136, 0.2210, 0.3156



0.5351, 0.2223, 0.3202

Inverse Universe

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



20.8257, 0.3208, 0.2361



32.8701, 0.3227, 0.2174



27.7463, 0.3887, 0.3839



7.6609, 0.3144, 0.3077



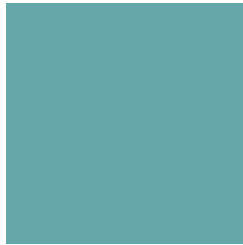
8.2227, 0.3320, 0.1602



0.2017, 0.3280, 0.1581

Previews

White Background



This preview shows how the Yxy color 33.3645, 0.2578, 0.3240 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 33.3645, 0.2578, 0.3240 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

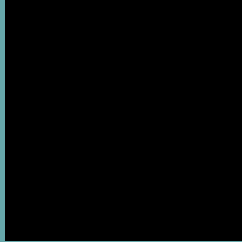
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.3645, 0.2578, 0.3240

Background



This preview shows how black text looks on a background with the Yxy color 33.3645, 0.2578, 0.3240.

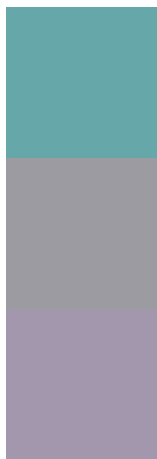


This preview shows how white text looks on a background with the Yxy color 33.3645, 0.2578, 0.3240.

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

33.3645, 0.2578, 0.3240

Protanopia

33.1192, 0.3074, 0.3186

Deuteranopia

32.8317, 0.3034, 0.2973



Tritanopia

33.4702, 0.2530, 0.3082

Trichromacy



Original Color

33.3645, 0.2578, 0.3240

Protanomaly

32.7471, 0.2864, 0.3196

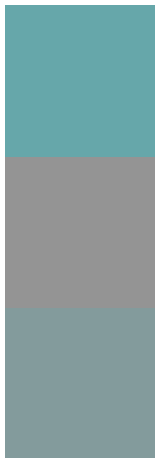
Deuteranomaly

32.6679, 0.2841, 0.3061

Tritanomaly

33.2906, 0.2543, 0.3128

Monochromacy



Original Color

33.3645, 0.2578, 0.3240

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

30.6683, 0.2890, 0.3273

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.3645, 0.2578, 0.3240 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, 167, 170)` looks like.

```
.text, #text, p{  
    color:rgb(102, 167, 170)  
}
```

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, 167, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 167, 170) }
```

Border

The CSS property to change the border of an element to Yxy 33.3645, 0.2578, 0.3240 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, 167, 170) }
```

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

```
.border{ border-color:rgb(102, 167, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 167, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 167, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 167, 170);  
box-shadow:4px 4px 4px 4px rgb(102, 167,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 33.3645, 0.2578, 0.3240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 167, 170) }
```

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

```
.background{ background-color: rgb(102,  
167, 170) }
```

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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