

Converting Colors

$Y_{xy}(33.6118, 0.2815, 0.3193)$

Have a look what the booklet for
Yxy(33.6118, 0.2815, 0.3193)
contains.

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Color

Yxy(33.6544, 0.2817, 0.3196)

Conversions

Conversions Part 1

Format	Color
Hex	85A2A8
RGB	133, 162, 168
RGB Percent	52%, 64%, 66%
CMY	0.4784, 0.3647, 0.3411
CMYK	0.21, 0.04, 0.00, 0.34
HSL	190°, 17%, 59%
HSV	190°, 21%, 66%
XYZ	29.6635, 33.6544, 41.9838
YIQ	154.0130, -19.2100, -4.2820

Conversions

Conversions Part 2

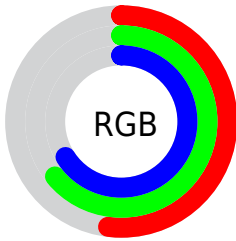
Format	Color
RYB	133, 149, 168
Decimal	8757928
CIELab	64.69, -8.64, -6.45
CIELCh	65, 10.780, 216.771
Yxy	33.6544, 0.2817, 0.3196
Android (android.graphics.Color)	4286948008 (0xFF85A2A8)
YUV	154.0130, 6.8956, -18.4284
Hunter-Lab	58.0124, -10.2494, -2.2997

Details

The Yxy color **33.6544, 0.2817, 0.3196** is a light color, and the websafe version is hex **669999**. A complement of this color would be **28.4934, 0.3516, 0.3382**, and the grayscale version is **32.2984, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.5182, 0.2881, 0.3219**, and **14.2518, 0.2722, 0.3155** is the 20% darker color. If you saturate the color by 10%, you get **31.3903, 0.2677, 0.3145**, and if you desaturate by 10%, it is **36.1634, 0.2964, 0.3243**.

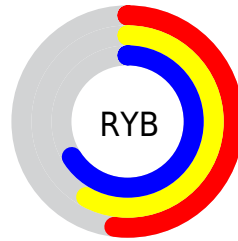
Distribution



Red (52%)

Green (64%)

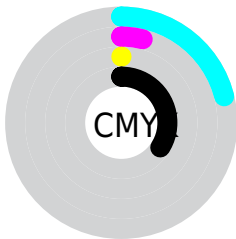
Blue (66%)



Red (52%)

Yellow (58%)

Blue (66%)

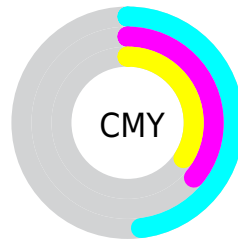


Cyan (21%)

Magenta (4%)

Yellow (0%)

Black (34%)



Cyan (48%)

Magenta (36%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.6544, 0.2817, 0.3196 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 33.6544, 0.2817, 0.3196 by changing the saturation by 10% instead.

■ 33.6544, 0.2817,
0.3196

■ 33.6544, 0.2817,
0.3196

■ 318.5883, 0.2979,
0.3247

■ 22.6282, 0.2774,
0.3182

■ 65.3959, 0.2878,
0.3216

■ 14.3192, 0.2718,
0.3162

■ 86.8800, 0.2900,
0.3223

■ 8.3430, 0.2640,
0.3134

■ 112.6188, 0.2918,
0.3229

■ 4.3152, 0.2525,
0.3091

■ 142.9968, 0.2934,
0.3234

■ 1.8514, 0.2342,
0.3017

■ 178.3984, 0.2948,
0.3238

■ 0.5189, 0.1553,
0.2854

■ 219.2079, 0.2960,

■ 0.0000, 0.0000,

0.3241

0.0000

265.8097, 0.2970,
0.3245

■ 33.6544, 0.2817,
0.3196

■ 33.6544, 0.2817,
0.3196

■ 31.3903, 0.2677,
0.3145

■ 36.1634, 0.2964,
0.3243

■ 29.3564, 0.2546,
0.3091

■ 38.9229, 0.3115,
0.3287

■ 27.5426, 0.2428,
0.3033

■ 41.9436, 0.3267,
0.3326

■ 25.9367, 0.2326,
0.2974

■ 45.2342, 0.3418,
0.3361

■ 24.5247, 0.2240,
0.2914

■ 48.8032, 0.3566,
0.3392

■ 23.2909, 0.2174,
0.2853

■ 52.6583, 0.3710,
0.3420

■ 22.2169, 0.2126,
0.2792

■ 56.8074, 0.3849,
0.3444

■ 21.3350, 0.2094,
0.2736

■ 58.8243, 0.3876,
0.3472

■ 60.0453, 0.3866,
0.3502

Harmonies

Analogous

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



33.6544, 0.2900, 0.3351



33.6544, 0.2817, 0.3196



33.6544, 0.2815, 0.3073

Triad

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



33.6544, 0.2817, 0.3196



33.6544, 0.3206, 0.3100



33.6544, 0.3362, 0.3576

Complementary

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



33.6544, 0.2817, 0.3196



28.4934, 0.3516, 0.3382

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.



33.6544, 0.3449, 0.3499



33.6544, 0.2817, 0.3196



33.6544, 0.3358, 0.3226

Square

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



33.6544, 0.2817, 0.3196



33.6544, 0.3035, 0.3022



33.6544, 0.3448, 0.3370



33.6544, 0.3213, 0.3575

Rectangle

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



33.6544, 0.2817, 0.3196



33.6544, 0.2859, 0.3024



33.6544, 0.3448, 0.3370



33.6544, 0.3399, 0.3558

Sweetspot

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



33.6558, 0.2817, 0.3196



67.9184, 0.3035, 0.3264



34.8572, 0.3053, 0.3757



14.7366, 0.3025, 0.3262



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



33.6558, 0.2817, 0.3196



59.1075, 0.2751, 0.3173



27.9687, 0.2799, 0.2919



8.3095, 0.2987, 0.3250



16.1743, 0.2095, 0.2742



0.4496, 0.2151, 0.2942

Inverse Universe

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



27.7139, 0.3213, 0.2867



46.4751, 0.3236, 0.2770



33.9134, 0.3466, 0.3636



7.6442, 0.3163, 0.3105



7.7039, 0.3688, 0.1805



0.1931, 0.3506, 0.1705

Previews

White Background



This preview shows how the Yxy color 33.6544, 0.2817, 0.3196 looks on a white background.

Color Contrast Check

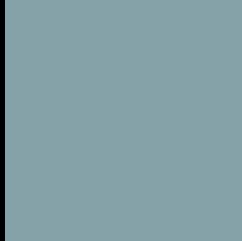
Large Text (above 18pt) WCAG AA × Fail

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 33.6544, 0.2817, 0.3196 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

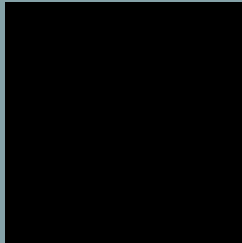
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

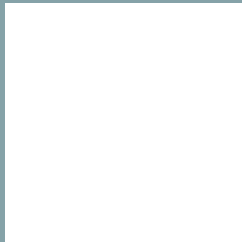
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 33.6544, 0.2817, 0.3196

Background



This preview shows how black text looks on a background with the Yxy color 33.6544, 0.2817, 0.3196.



This preview shows how white text looks on a background with the Yxy color 33.6544, 0.2817, 0.3196.

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

33.6544, 0.2817, 0.3196

Protanopia

33.6254, 0.3065, 0.3172

Deuteranopia

33.4657, 0.3100, 0.3032



Tritanopia

33.6141, 0.2778, 0.3090

Trichromacy



Original Color

33.6544, 0.2817, 0.3196

Protanomaly

33.4662, 0.2971, 0.3184

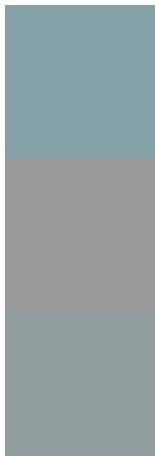
Deuteranomaly

33.5115, 0.2993, 0.3098

Tritanomaly

33.5366, 0.2793, 0.3120

Monochromacy



Original Color

33.6544, 0.2817, 0.3196

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

32.7281, 0.3004, 0.3259

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.6544, 0.2817, 0.3196 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(133, 162, 168)` looks like.

```
.text, #text, p{  
    color:rgb(133, 162, 168)  
}
```

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(133, 162, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 162, 168) }
```

Border

The CSS property to change the border of an element to Yxy 33.6544, 0.2817, 0.3196 is called "border". The border property can be set on classes, ids or directly on the HTML element.

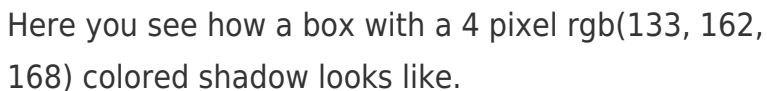
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(133, 162, 168) }
```

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

```
.border{ border-color:rgb(133, 162, 168) }
```

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



Here you see how a box with a 4 pixel `rgb(133, 162, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 162, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 162, 168);  
box-shadow:4px 4px 4px 4px rgb(133, 162,  
168) }
```


Background

The CSS property to change the background color of an element to Yxy 33.6544, 0.2817, 0.3196 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 162, 168) }
```

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

```
.background{ background-color: rgb(133,  
162, 168) }
```

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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