

Converting Colors

Yxy(33.4627, 0.2549, 0.3116)

Have a look what the booklet for
Yxy(33.4627, 0.2549, 0.3116)
contains.

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Color

Yxy(33.4500, 0.2550, 0.3113)

Conversions

Conversions Part 1

Format	Color
Hex	69A6B1
RGB	105, 166, 177
RGB Percent	41%, 65%, 69%
CMY	0.5881, 0.3490, 0.3059
CMYK	0.41, 0.06, 0.00, 0.31
HSL	189°, 32%, 55%
HSV	189°, 41%, 69%
XYZ	27.4004, 33.4500, 46.6022
YIQ	149.0150, -39.8870, -9.5110

Conversions

Conversions Part 2

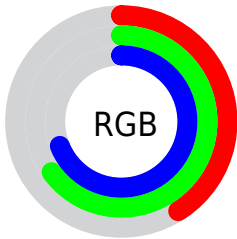
Format	Color
RYB	105, 138, 177
Decimal	6923953
CIELab	64.52, -16.78, -11.89
CIELCh	65, 20.568, 215.312
Yxy	33.4500, 0.2550, 0.3113
Android (android.graphics.Color)	4285114033 (0xFF69A6B1)
YUV	149.0150, 13.7966, -38.6012
Hunter-Lab	57.8360, -16.6467, -7.2886

Details

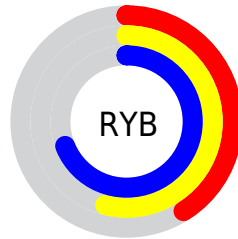
The Yxy color **33.4500, 0.2550, 0.3113** is a light color, and the websafe version is hex **669999**. A complement of this color would be **22.8662, 0.4070, 0.3456**, and the grayscale version is **30.0192, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.9670, 0.2656, 0.3145**, and **14.1937, 0.2373, 0.3056** is the 20% darker color. If you saturate the color by 10%, you get **31.5153, 0.2434, 0.3062**, and if you desaturate by 10%, it is **35.6311, 0.2679, 0.3161**.

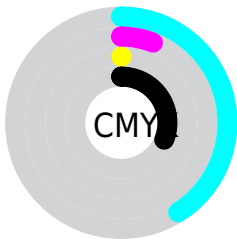
Distribution



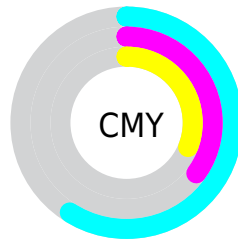
- Red (41%)
- Green (65%)
- Blue (69%)



- Red (41%)
- Yellow (54%)
- Blue (69%)



- Cyan (41%)
- Magenta (6%)
- Yellow (0%)
- Black (31%)



- Cyan (59%)
- Magenta (35%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.4500, 0.2550, 0.3113 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 33.4500, 0.2550, 0.3113 by changing the saturation by 10% instead.


 33.4500, 0.2550,
0.3113


 33.4500, 0.2550,
0.3113


317.6726, 0.2849,
0.3212


 22.4714, 0.2472,
0.3084


 65.0775, 0.2661,
0.3152

 14.2037, 0.2371,
0.3045


 86.4951, 0.2702,
0.3165

 8.2625, 0.2234,
0.2989

 112.1612, 0.2736,
0.3177

 4.2634, 0.2037,
0.2901

 142.4602, 0.2765,
0.3186

 1.8219, 0.1735,
0.2749

177.7764, 0.2790,
0.3194

 0.5008, 0.0331,
0.2498

218.4943, 0.2812,

 0.0000, 0.0000,

0.3201

0.0000

264.9982, 0.2832,
0.3207

■ 33.4500, 0.2550,
0.3113

■ 33.4500, 0.2550,
0.3113

■ 31.5153, 0.2434,
0.3062

■ 35.6311, 0.2679,
0.3161

■ 29.8090, 0.2333,
0.3010

■ 38.0674, 0.2819,
0.3207

■ 28.3167, 0.2250,
0.2956

■ 40.7723, 0.2966,
0.3249

■ 27.0207, 0.2186,
0.2902

■ 43.7568, 0.3117,
0.3288

■ 25.8999, 0.2141,
0.2848

■ 47.0313, 0.3270,
0.3323

■ 24.9695, 0.2111,
0.2799

■ 50.6059, 0.3423,
0.3354

■ 54.4898, 0.3572,
0.3382

■ 58.6920, 0.3718,
0.3406

■ 61.4074, 0.3781,
0.3432

Harmonies

Analogous

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



33.4500, 0.2706, 0.3417



33.4500, 0.2550, 0.3113



33.4500, 0.2539, 0.2880

Triad

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



33.4500, 0.2550, 0.3113



33.4500, 0.3256, 0.2927



33.4500, 0.3583, 0.3832

Complementary

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



33.4500, 0.2550, 0.3113



22.8662, 0.4070, 0.3456

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.



33.4500, 0.3749, 0.3665



33.4500, 0.2550, 0.3113



33.4500, 0.3557, 0.3151

Square

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



33.4500, 0.2550, 0.3113



33.4500, 0.2933, 0.2789



33.4500, 0.3741, 0.3416



33.4500, 0.3298, 0.3852

Rectangle

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



33.4500, 0.2550, 0.3113



33.4500, 0.2615, 0.2791



33.4500, 0.3741, 0.3416



33.4500, 0.3655, 0.3790

Sweetspot

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



33.4513, 0.2550, 0.3113



72.2444, 0.2943, 0.3243



35.7038, 0.2995, 0.4330



15.5206, 0.2924, 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.



33.4513, 0.2550, 0.3113



56.7154, 0.2443, 0.3066



22.2050, 0.2455, 0.2503



9.4059, 0.2986, 0.3254



18.1645, 0.2112, 0.2805



0.6311, 0.2154, 0.2953

Inverse Universe

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



22.2111, 0.3302, 0.2439



34.2429, 0.3352, 0.2261



32.7616, 0.3857, 0.3963



8.6240, 0.3160, 0.3099



8.3738, 0.3630, 0.1774



0.2695, 0.3496, 0.1699

Previews

White Background



This preview shows how the Yxy color 33.4500, 0.2550, 0.3113 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 33.4500, 0.2550, 0.3113 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

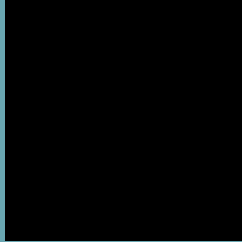
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.4500, 0.2550, 0.3113

Background



This preview shows how black text looks on a background with the Yxy color 33.4500, 0.2550, 0.3113.



This preview shows how white text looks on a background with the Yxy color 33.4500, 0.2550, 0.3113.

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

33.4500, 0.2550, 0.3113

Protanopia

33.2150, 0.2984, 0.3068

Deuteranopia

33.1227, 0.2944, 0.2888



Tritanopia

33.5913, 0.2543, 0.3082

Trichromacy



Original Color

33.4500, 0.2550, 0.3113

Protanomaly

33.0476, 0.2800, 0.3075

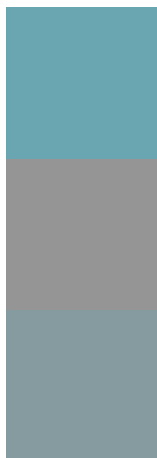
Deuteranomaly

32.8576, 0.2777, 0.2958

Tritanomaly

33.5510, 0.2550, 0.3098

Monochromacy



Original Color

33.4500, 0.2550, 0.3113

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

30.9324, 0.2883, 0.3226

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.4500, 0.2550, 0.3113 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(105, 166, 177)` looks like.

```
.text, #text, p{  
    color:rgb(105, 166, 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(105, 166, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 166, 177) }
```

Border

The CSS property to change the border of an element to Yxy 33.4500, 0.2550, 0.3113 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(105, 166, 177) }
```

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

```
.border{ border-color:rgb(105, 166, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 166, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 166, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 166, 177);  
box-shadow:4px 4px 4px 4px rgb(105, 166,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 33.4500, 0.2550, 0.3113 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 166, 177) }
```

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

```
.background{ background-color: rgb(105,  
166, 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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