

Converting Colors

$Y_{xy}(33.1136, 0.2557, 0.3108)$

Have a look what the booklet for
Yxy(33.1136, 0.2557, 0.3108)
contains.

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Color

Yxy(33.1090, 0.2560, 0.3113)

Conversions

Conversions Part 1

Format	Color
Hex	6AA5B0
RGB	106, 165, 176
RGB Percent	42%, 65%, 69%
CMY	0.5846, 0.3529, 0.3099
CMYK	0.40, 0.06, 0.00, 0.31
HSL	189°, 31%, 55%
HSV	189°, 40%, 69%
XYZ	27.2274, 33.1090, 46.0208
YIQ	148.6130, -38.6950, -9.0870

Conversions

Conversions Part 2

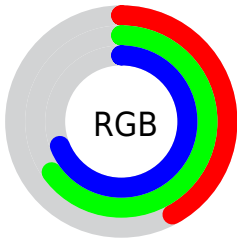
Format	Color
RYB	106, 138, 176
Decimal	6989232
CIELab	64.25, -16.30, -11.73
CIELCh	64, 20.081, 215.752
Yxy	33.1090, 0.2560, 0.3113
Android (android.graphics.Color)	4285179312 (0xFF6AA5B0)
YUV	148.6130, 13.5018, -37.3716
Hunter-Lab	57.5404, -16.2316, -7.1418

Details

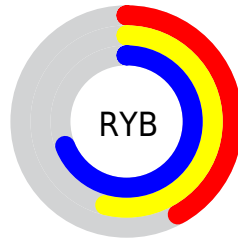
The Yxy color **33.1090, 0.2560, 0.3113** is a light color, and the websafe version is hex **669999**. A complement of this color would be **22.9652, 0.4040, 0.3456**, and the grayscale version is **29.8323, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.4862, 0.2665, 0.3145**, and **14.0224, 0.2382, 0.3033** is the 20% darker color. If you saturate the color by 10%, you get **31.1581, 0.2442, 0.3061**, and if you desaturate by 10%, it is **35.3051, 0.2691, 0.3162**.

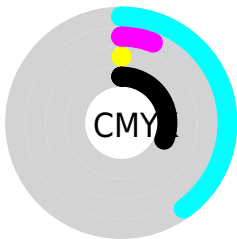
Distribution



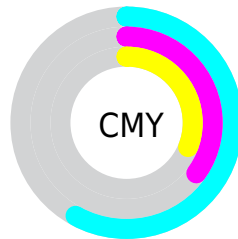
- Red (42%)
- Green (65%)
- Blue (69%)



- Red (42%)
- Yellow (54%)
- Blue (69%)



- Cyan (40%)
- Magenta (6%)
- Yellow (0%)
- Black (31%)





- Cyan (58%)
- Magenta (35%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.1090, 0.2560, 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 33.1090, 0.2560, 0.3113 by changing the saturation by 10% instead.


 33.1090, 0.2560,
0.3113


 33.1090, 0.2560,
0.3113


316.1406, 0.2854,
0.3212


 22.2100, 0.2483,
0.3085


 64.5457, 0.2669,
0.3152


 14.0113, 0.2383,
0.3045


 85.8521, 0.2710,
0.3165

 8.1285, 0.2247,
0.2989


 111.3964, 0.2743,
0.3177

 4.1773, 0.2051,
0.2901

 141.5631, 0.2772,
0.3186

 1.7732, 0.1750,
0.2749

176.7364, 0.2797,
0.3194

 0.4704, 0.0259,
0.2475

217.3008, 0.2818,

 0.0000, 0.0000,

0.3201

0.0000

263.6408, 0.2837,
0.3207

■ 33.1090, 0.2560,
0.3113

■ 33.1090, 0.2560,
0.3113

■ 31.1581, 0.2442,
0.3061

■ 35.3051, 0.2691,
0.3162

■ 29.4348, 0.2340,
0.3007

■ 37.7550, 0.2831,
0.3209

■ 27.9250, 0.2255,
0.2952

■ 40.4719, 0.2979,
0.3252

■ 26.6115, 0.2188,
0.2897

■ 43.4665, 0.3130,
0.3291

■ 25.4738, 0.2141,
0.2842

■ 46.7492, 0.3283,
0.3326

■ 24.4697, 0.2108,
0.2787

■ 50.3296, 0.3435,
0.3358

■ 24.4509, 0.2107,
0.2786

■ 54.2171, 0.3584,
0.3386

■ 58.4204, 0.3729,
0.3411

■ 61.1386, 0.3791,
0.3437

Harmonies

Analogous

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



33.1090, 0.2712, 0.3410



33.1090, 0.2560, 0.3113



33.1090, 0.2552, 0.2886

Triad

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



33.1090, 0.2560, 0.3113



33.1090, 0.3259, 0.2937



33.1090, 0.3570, 0.3823

Complementary

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



33.1090, 0.2560, 0.3113



22.9652, 0.4040, 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.



33.1090, 0.3735, 0.3661



33.1090, 0.2560, 0.3113



33.1090, 0.3552, 0.3158

Square

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



33.1090, 0.2560, 0.3113



33.1090, 0.2942, 0.2800



33.1090, 0.3730, 0.3418



33.1090, 0.3290, 0.3839

Rectangle

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



33.1090, 0.2560, 0.3113



33.1090, 0.2627, 0.2800



33.1090, 0.3730, 0.3418



33.1090, 0.3641, 0.3782

Sweetspot

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



33.1103, 0.2560, 0.3113



72.1888, 0.2943, 0.3242



35.3751, 0.2997, 0.4304



15.5073, 0.2924, 0.3236



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.



33.1103, 0.2560, 0.3113



56.8464, 0.2453, 0.3066



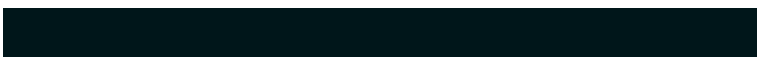
22.2783, 0.2470, 0.2523



9.4005, 0.2986, 0.3253



18.0137, 0.2109, 0.2792



0.6276, 0.2151, 0.2945

Inverse Universe

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



22.2387, 0.3301, 0.2460



34.7815, 0.3351, 0.2284



32.5502, 0.3839, 0.3949



8.6234, 0.3161, 0.3100



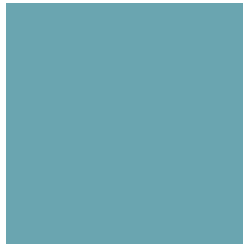
8.3586, 0.3642, 0.1780



0.2691, 0.3503, 0.1704

Previews

White Background



This preview shows how the Yxy color 33.1090, 0.2560, 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 33.1090, 0.2560, 0.3113 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

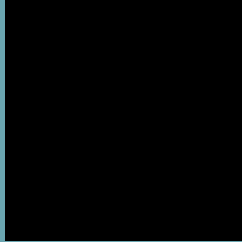
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

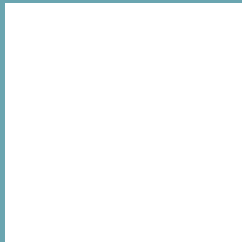
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 33.1090, 0.2560, 0.3113

Background



This preview shows how black text looks on a background with the Yxy color 33.1090, 0.2560, 0.3113.



This preview shows how white text looks on a background with the Yxy color 33.1090, 0.2560, 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

33.1090, 0.2560, 0.3113

Protanopia

32.8458, 0.2993, 0.3068

Deuteranopia

32.7588, 0.2953, 0.2887



Tritanopia

33.1888, 0.2547, 0.3082

Trichromacy



Original Color

33.1090, 0.2560, 0.3113

Protanomaly

32.7506, 0.2816, 0.3075

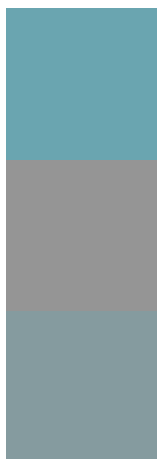
Deuteranomaly

32.5667, 0.2792, 0.2958

Tritanomaly

33.1488, 0.2554, 0.3097

Monochromacy



Original Color

33.1090, 0.2560, 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 33.1090, 0.2560, 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(106, 165, 176)` looks like.

```
.text, #text, p{  
    color:rgb(106, 165, 176)  
}
```

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(106, 165, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 165, 176) }
```

Border

The CSS property to change the border of an element to Yxy 33.1090, 0.2560, 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(106, 165, 176) }
```

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

```
.border{ border-color:rgb(106, 165, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 165, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 165, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 165, 176);  
box-shadow:4px 4px 4px 4px rgb(106, 165,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 33.1090, 0.2560, 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(106, 165, 176) }
```

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

```
.background{ background-color: rgb(106,  
165, 176) }
```

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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