

Converting Colors

$Y_{xy}(33.2707, 0.2529, 0.2937)$

Have a look what the booklet for
Yxy(33.2707, 0.2529, 0.2937)
contains.

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Color

Yxy(33.1843, 0.2531, 0.2932)

Conversions

Conversions Part 1

Format	Color
Hex	70A3BA
RGB	112, 163, 186
RGB Percent	44%, 64%, 73%
CMY	0.5606, 0.3608, 0.2706
CMYK	0.40, 0.12, 0.00, 0.27
HSL	199°, 35%, 58%
HSV	199°, 40%, 73%
XYZ	28.6458, 33.1843, 51.3496
YIQ	150.3730, -37.7790, -3.6590

Conversions

Conversions Part 2

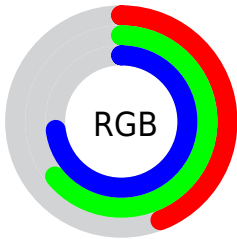
Format	Color
RYB	112, 142, 186
Decimal	7381946
CIELab	64.31, -10.93, -17.21
CIELCh	64, 20.390, 237.577
Yxy	33.1843, 0.2531, 0.2932
Android (android.graphics.Color)	4285572026 (0xFF70A3BA)
YUV	150.3730, 17.5641, -33.6531
Hunter-Lab	57.6058, -12.0470, -12.5269

Details

The Yxy color **33.1843, 0.2531, 0.2932** is a light color, and the websafe version is hex **669999**. A complement of this color would be **28.9508, 0.3978, 0.3617**, and the grayscale version is **30.6060, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.6606, 0.2643, 0.3008**, and **13.9921, 0.2345, 0.2799** is the 20% darker color. If you saturate the color by 10%, you get **30.0806, 0.2395, 0.2824**, and if you desaturate by 10%, it is **36.6366, 0.2676, 0.3033**.

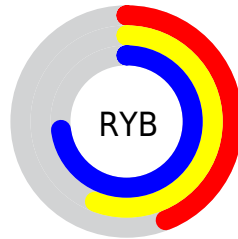
Distribution



Red (44%)

Green (64%)

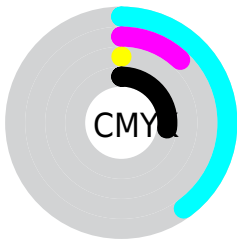
Blue (73%)



Red (44%)

Yellow (56%)

Blue (73%)

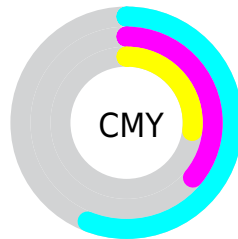


Cyan (40%)

Magenta (12%)

Yellow (0%)

Black (27%)



Cyan (56%)

Magenta (36%)

Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.1843, 0.2531, 0.2932 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 33.1843, 0.2531, 0.2932 by changing the saturation by 10% instead.

■ 33.1843, 0.2531,
0.2932

■ 33.1843, 0.2531,
0.2932

■ 316.4794, 0.2839,
0.3125

■ 22.2677, 0.2451,
0.2879

■ 64.6632, 0.2645,
0.3005

■ 14.0537, 0.2347,
0.2809

■ 85.9942, 0.2687,
0.3032

■ 8.1580, 0.2207,
0.2712

■ 111.5654, 0.2723,
0.3054

■ 4.1962, 0.2007,
0.2566

■ 141.7614, 0.2753,
0.3072

■ 1.7839, 0.1705,
0.2331

■ 176.9663, 0.2779,
0.3088

■ 0.4771, 0.0717,
0.1833

■ 217.5647, 0.2802,

■ 0.0000, 0.0000,

0.3102

0.0000

263.9409, 0.2822,
0.3114

■ 33.1843, 0.2531,
0.2932

■ 33.1843, 0.2531,
0.2932

■ 30.0806, 0.2395,
0.2824

■ 36.6366, 0.2676,
0.3033

■ 27.3049, 0.2273,
0.2711

■ 40.4491, 0.2826,
0.3128

■ 24.8397, 0.2166,
0.2595

■ 44.6377, 0.2978,
0.3214

■ 22.6640, 0.2077,
0.2477

■ 49.2157, 0.3131,
0.3292

■ 20.7531, 0.2009,
0.2360

■ 54.1960, 0.3280,
0.3362

■ 19.0603, 0.1957,
0.2244

■ 59.5906, 0.3426,
0.3424

■ 19.0216, 0.1956,
0.2241

■ 65.4111, 0.3566,
0.3479

■ 70.5437, 0.3653,
0.3532

■ 73.4395, 0.3638,
0.3590

Harmonies

Analogous

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



33.1843, 0.2580, 0.3189



33.1843, 0.2531, 0.2932



33.1843, 0.2630, 0.2788

Triad

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



33.1843, 0.2531, 0.2932



33.1843, 0.3485, 0.3089



33.1843, 0.3377, 0.3860

Complementary

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



33.1843, 0.2531, 0.2932



28.9508, 0.3978, 0.3617

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.



33.1843, 0.3637, 0.3798



33.1843, 0.2531, 0.2932



33.1843, 0.3705, 0.3346

Square

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



33.1843, 0.2531, 0.2932



33.1843, 0.3171, 0.2884



33.1843, 0.3761, 0.3604



33.1843, 0.3059, 0.3750

Rectangle

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



33.1843, 0.2531, 0.2932



33.1843, 0.2771, 0.2765



33.1843, 0.3761, 0.3604



33.1843, 0.3474, 0.3858

Sweetspot

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



33.1856, 0.2531, 0.2932



78.9945, 0.2941, 0.3193



40.2932, 0.2922, 0.4121



17.1732, 0.2921, 0.3182



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



33.1856, 0.2531, 0.2932



55.0410, 0.2408, 0.2835



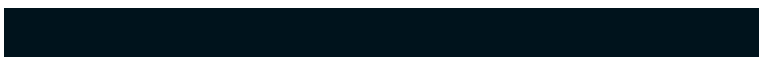
22.1284, 0.2440, 0.2335



9.7265, 0.2985, 0.3217



12.9352, 0.1960, 0.2256



0.5609, 0.2043, 0.2554

Inverse Universe

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



24.6809, 0.3437, 0.2597



38.2957, 0.3534, 0.2447



40.8148, 0.3785, 0.4089



9.1139, 0.3184, 0.3134



8.0882, 0.4172, 0.2072



0.2957, 0.3869, 0.1905

Previews

White Background



This preview shows how the Yxy color 33.1843, 0.2531, 0.2932 looks on a white background.

Color Contrast Check

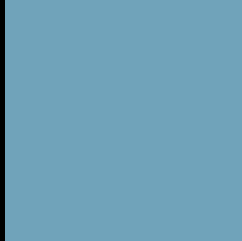
Large Text (above 18pt) WCAG AA × Fail

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 33.1843, 0.2531, 0.2932 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

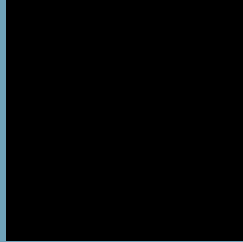
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

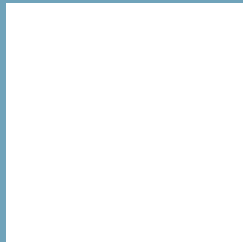
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 33.1843, 0.2531, 0.2932

Background



This preview shows how black text looks on a background with the Yxy color 33.1843, 0.2531, 0.2932.



This preview shows how white text looks on a background with the Yxy color 33.1843, 0.2531, 0.2932.

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

33.1843, 0.2531, 0.2932

Protanopia

32.9858, 0.2872, 0.2909

Deuteranopia

32.9573, 0.2832, 0.2775



Tritanopia

33.0803, 0.2572, 0.3067

Trichromacy



Original Color

33.1843, 0.2531, 0.2932

Protanomaly

32.8097, 0.2737, 0.2914

Deuteranomaly

32.8538, 0.2715, 0.2831

Tritanomaly

33.2666, 0.2559, 0.3022

Monochromacy



Original Color

33.1843, 0.2531, 0.2932

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

31.3213, 0.2877, 0.3164

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.1843, 0.2531, 0.2932 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(112, 163, 186)` looks like.

```
.text, #text, p{  
    color:rgb(112, 163, 186)  
}
```

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(112, 163, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 163, 186) }
```

Border

The CSS property to change the border of an element to Yxy 33.1843, 0.2531, 0.2932 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(112, 163, 186) }
```

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

```
.border{ border-color:rgb(112, 163, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 163, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(112, 163, 186); -webkit-box-shadow:4px 4px 4px 4px rgb(112, 163, 186); box-shadow:4px 4px 4px 4px rgb(112, 163, 186) }
```


Background

The CSS property to change the background color of an element to Yxy 33.1843, 0.2531, 0.2932 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 163, 186) }
```

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

```
.background{ background-color: rgb(112,  
163, 186) }
```

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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