

Converting Colors

$Y_{xy}(33.4435, 0.2635, 0.3040)$

Have a look what the booklet for
Yxy(33.4435, 0.2635, 0.3040)
contains.

Yxy(33.4421, 0.2635, 0.3040)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(33.4421, 0.2635, 0.3040)

Conversions

Conversions Part 1

Format	Color
Hex	78A3B3
RGB	120, 163, 179
RGB Percent	47%, 64%, 70%
CMY	0.5291, 0.3608, 0.2980
CMYK	0.33, 0.09, 0.00, 0.30
HSL	196°, 28%, 59%
HSV	196°, 33%, 70%
XYZ	28.9868, 33.4421, 47.5780
YIQ	151.9670, -30.7640, -4.1400

Conversions

Conversions Part 2

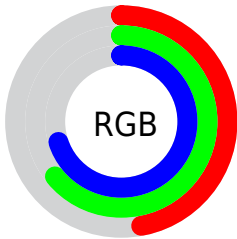
Format	Color
RYB	120, 145, 179
Decimal	7906227
CIELab	64.52, -10.50, -12.94
CIELCh	65, 16.668, 230.949
Yxy	33.4421, 0.2635, 0.3040
Android (android.graphics.Color)	4286096307 (0xFF78A3B3)
YUV	151.9670, 13.3273, -28.0351
Hunter-Lab	57.8291, -11.7280, -8.2995

Details

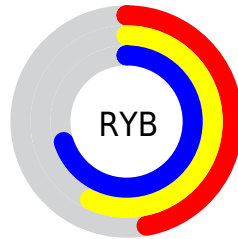
The Yxy color **33.4421, 0.2635, 0.3040** is a light color, and the websafe version is hex **669999**. A complement of this color would be **28.5748, 0.3800, 0.3525**, and the grayscale version is **31.3421, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.1396, 0.2729, 0.3090**, and **14.1404, 0.2486, 0.2953** is the 20% darker color. If you saturate the color by 10%, you get **30.5857, 0.2497, 0.2951**, and if you desaturate by 10%, it is **36.6069, 0.2781, 0.3124**.

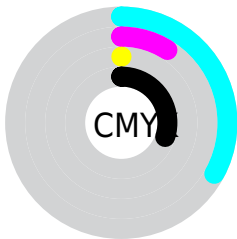
Distribution



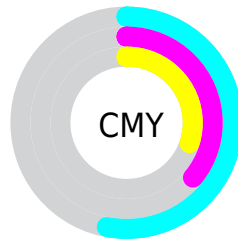
- Red (47%)
- Green (64%)
- Blue (70%)



- Red (47%)
- Yellow (57%)
- Blue (70%)



- Cyan (33%)
- Magenta (9%)
- Yellow (0%)
- Black (30%)



- Cyan (53%)
- Magenta (36%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.4421, 0.2635, 0.3040 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 33.4421, 0.2635, 0.3040 by changing the saturation by 10% instead.

■ 33.4421, 0.2635,
0.3040

■ 33.4421, 0.2635,
0.3040

■ 317.6372, 0.2890,
0.3175

■ 22.4653, 0.2568,
0.3003

■ 65.0651, 0.2730,
0.3092

■ 14.1992, 0.2481,
0.2953

■ 86.4802, 0.2765,
0.3110

■ 8.2594, 0.2362,
0.2882

■ 112.1435, 0.2794,
0.3126

■ 4.2614, 0.2191,
0.2776

■ 142.4394, 0.2819,
0.3139

■ 1.8208, 0.1925,
0.2600

■ 177.7524, 0.2841,
0.3150

■ 0.5001, 0.0971,
0.2218

■ 218.4667, 0.2860,

■ 0.0000, 0.0000,

0.3159

0.0000

264.9668, 0.2876,
0.3168

■ 33.4421, 0.2635,
0.3040

■ 33.4421, 0.2635,
0.3040

■ 30.5857, 0.2497,
0.2951

■ 36.6069, 0.2781,
0.3124

■ 28.0196, 0.2370,
0.2856

■ 40.0893, 0.2931,
0.3201

■ 25.7298, 0.2257,
0.2758

■ 43.9026, 0.3083,
0.3271

■ 23.6991, 0.2162,
0.2657

■ 48.0584, 0.3234,
0.3334

■ 21.9079, 0.2085,
0.2556

■ 52.5675, 0.3382,
0.3391

■ 20.3330, 0.2028,
0.2455

■ 57.4403, 0.3526,
0.3441

■ 19.3157, 0.1996,
0.2384

■ 62.6866, 0.3664,
0.3485

■ 66.7128, 0.3729,
0.3530

■ 69.0305, 0.3714,
0.3579

Harmonies

Analogous

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



33.4421, 0.2704, 0.3264



33.4421, 0.2635, 0.3040



33.4421, 0.2691, 0.2896

Triad

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



33.4421, 0.2635, 0.3040



33.4421, 0.3367, 0.3083



33.4421, 0.3387, 0.3753

Complementary

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



33.4421, 0.2635, 0.3040



28.5748, 0.3800, 0.3525

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.



33.4421, 0.3577, 0.3679



33.4421, 0.2635, 0.3040



33.4421, 0.3568, 0.3291

Square

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



33.4421, 0.2635, 0.3040



33.4421, 0.3106, 0.2927



33.4421, 0.3645, 0.3507



33.4421, 0.3132, 0.3693

Rectangle

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



33.4421, 0.2635, 0.3040



33.4421, 0.2792, 0.2859



33.4421, 0.3645, 0.3507



33.4421, 0.3461, 0.3742

Sweetspot

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



33.4434, 0.2635, 0.3040



73.6151, 0.2973, 0.3221



38.0123, 0.2968, 0.3986



16.1047, 0.2952, 0.3211



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



33.4434, 0.2635, 0.3040



55.8784, 0.2527, 0.2971



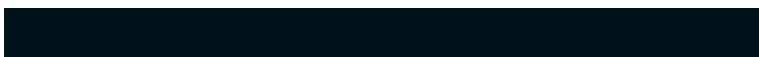
24.2536, 0.2576, 0.2561



9.2331, 0.2986, 0.3227



13.7605, 0.1999, 0.2396



0.5237, 0.2076, 0.2674

Inverse Universe

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



25.6779, 0.3342, 0.2688



40.1925, 0.3409, 0.2546



37.9444, 0.3671, 0.3925



8.6065, 0.3178, 0.3126



7.9293, 0.4027, 0.1992



0.2586, 0.3753, 0.1841

Previews

White Background



This preview shows how the Yxy color 33.4421, 0.2635, 0.3040 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 33.4421, 0.2635, 0.3040 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

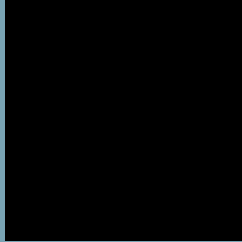
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

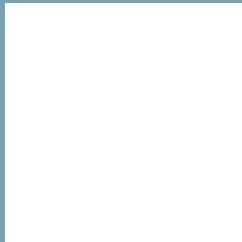
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 33.4421, 0.2635, 0.3040

Background



This preview shows how black text looks on a background with the Yxy color 33.4421, 0.2635, 0.3040.



This preview shows how white text looks on a background with the Yxy color 33.4421, 0.2635, 0.3040.

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

33.4421, 0.2635, 0.3040

Protanopia

33.2710, 0.2940, 0.3010

Deuteranopia

33.1636, 0.2936, 0.2875



Tritanopia

33.2906, 0.2641, 0.3070

Trichromacy



Original Color

33.4421, 0.2635, 0.3040

Protanomaly

33.2510, 0.2819, 0.3019

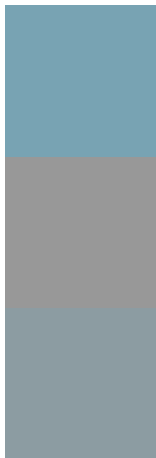
Deuteranomaly

33.0920, 0.2820, 0.2934

Tritanomaly

33.3307, 0.2634, 0.3055

Monochromacy



Original Color

33.4421, 0.2635, 0.3040

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

31.9610, 0.2923, 0.3196

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.4421, 0.2635, 0.3040 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(120, 163, 179)` looks like.

```
.text, #text, p{  
    color:rgb(120, 163, 179)  
}
```

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(120, 163, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 163, 179) }
```

Border

The CSS property to change the border of an element to Yxy 33.4421, 0.2635, 0.3040 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(120, 163, 179) }
```

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

```
.border{ border-color:rgb(120, 163, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 163, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(120, 163, 179); -webkit-box-shadow:4px 4px 4px 4px rgb(120, 163, 179); box-shadow:4px 4px 4px 4px rgb(120, 163, 179) }
```


Background

The CSS property to change the background color of an element to Yxy 33.4421, 0.2635, 0.3040 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 163, 179) }
```

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

```
.background{ background-color: rgb(120,  
163, 179) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor