

Converting Colors

$Y_{xy}(33.4789, 0.2670, 0.2862)$

Have a look what the booklet for
Yxy(33.4789, 0.2670, 0.2862)
contains.

Yxy(33.4954, 0.2671, 0.2858)	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(33.4954, 0.2671, 0.2858)

Conversions

Conversions Part 1

Format	Color
Hex	869FBC
RGB	134, 159, 188
RGB Percent	53%, 62%, 74%
CMY	0.4746, 0.3764, 0.2627
CMYK	0.29, 0.15, 0.00, 0.26
HSL	212°, 29%, 63%
HSV	212°, 29%, 74%
XYZ	31.3038, 33.4954, 52.3996
YIQ	154.8310, -24.2090, 3.7190

Conversions

Conversions Part 2

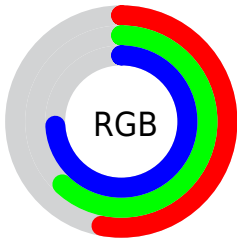
Format	Color
RYB	134, 151, 188
Decimal	8822716
CIELab	64.56, -1.95, -17.83
CIELCh	65, 17.939, 263.769
Yxy	33.4954, 0.2671, 0.2858
Android (android.graphics.Color)	4287012796 (0xFF869FBC)
YUV	154.8310, 16.3523, -18.2688
Hunter-Lab	57.8752, -4.7338, -13.1678

Details

The Yxy color **33.4954, 0.2671, 0.2858** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **38.5981, 0.3642, 0.3686**, and the grayscale version is **32.6326, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.3162, 0.2760, 0.2950**, and **14.3134, 0.2529, 0.2721** is the 20% darker color. If you saturate the color by 10%, you get **28.7571, 0.2506, 0.2678**, and if you desaturate by 10%, it is **38.7943, 0.2835, 0.3023**.

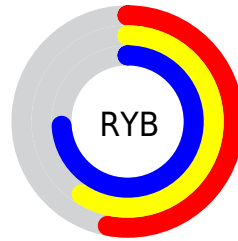
Distribution



Red (53%)

Green (62%)

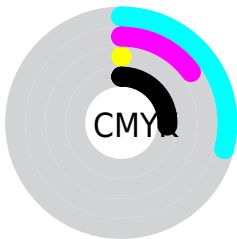
Blue (74%)



Red (53%)

Yellow (59%)

Blue (74%)

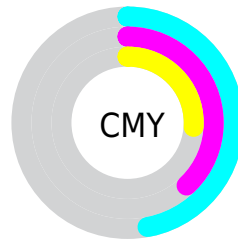


Cyan (29%)

Magenta (15%)

Yellow (0%)

Black (26%)



Cyan (47%)

Magenta (38%)

Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.4954, 0.2671, 0.2858 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 33.4954, 0.2671, 0.2858 by changing the saturation by 10% instead.

■ 33.4954, 0.2671,
0.2858

■ 33.4954, 0.2671,
0.2858

■ 317.8762, 0.2908,
0.3084

■ 22.5062, 0.2609,
0.2798

■ 65.1482, 0.2759,
0.2943

■ 14.2293, 0.2528,
0.2720

■ 86.5806, 0.2792,
0.2974

■ 8.2803, 0.2417,
0.2612

■ 112.2629, 0.2819,
0.3000

■ 4.2749, 0.2257,
0.2456

■ 142.5794, 0.2842,
0.3022

■ 1.8285, 0.2011,
0.2213

■ 177.9147, 0.2862,
0.3041

■ 0.5048, 0.1443,
0.1685

■ 218.6529, 0.2880,

■ 0.0000, 0.0000,

0.3057

0.0000

265.1786, 0.2895,
0.3072

■ 33.4954, 0.2671,
0.2858

■ 33.4954, 0.2671,
0.2858

■ 28.7571, 0.2506,
0.2678

■ 38.7943, 0.2835,
0.3023

■ 24.5540, 0.2343,
0.2485

■ 44.6699, 0.2994,
0.3172

■ 20.8648, 0.2188,
0.2282

■ 51.1422, 0.3146,
0.3306

■ 17.6644, 0.2046,
0.2074

■ 58.2292, 0.3289,
0.3425

■ 14.9253, 0.1923,
0.1867

■ 65.9481, 0.3424,
0.3529

■ 12.6161, 0.1823,
0.1666

■ 74.3153, 0.3549,
0.3621

■ 10.6886, 0.1747,
0.1478

■ 81.2846, 0.3586,
0.3713

■ 10.4663, 0.1738,
0.1455

■ 87.0525, 0.3562,
0.3809

■ 93.1506, 0.3538,
0.3902

Harmonies

Analogous

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



33.4954, 0.2599, 0.3001



33.4954, 0.2671, 0.2858



33.4954, 0.2861, 0.2830

Triad

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



33.4954, 0.2671, 0.2858



33.4954, 0.3616, 0.3312



33.4954, 0.3105, 0.3711

Complementary

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



33.4954, 0.2671, 0.2858



38.5981, 0.3642, 0.3686

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.



33.4954, 0.3381, 0.3789



33.4954, 0.2671, 0.2858



33.4954, 0.3685, 0.3542

Square

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



33.4954, 0.2671, 0.2858



33.4954, 0.3409, 0.3087



33.4954, 0.3596, 0.3721



33.4954, 0.2842, 0.3503

Rectangle

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



33.4954, 0.2671, 0.2858



33.4954, 0.3036, 0.2875



33.4954, 0.3596, 0.3721



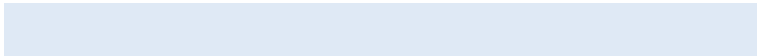
33.4954, 0.3199, 0.3754

Sweetspot

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



33.4967, 0.2671, 0.2858



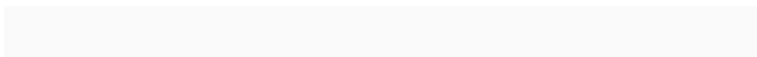
80.4959, 0.2988, 0.3167



43.6750, 0.2885, 0.3662



16.9635, 0.2965, 0.3146



95.5105, 0.3127, 0.3290



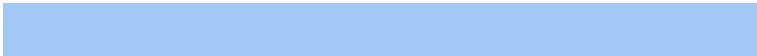
19.5994, 0.3127, 0.3290

Same Dimension

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



33.4967, 0.2671, 0.2858



55.5865, 0.2575, 0.2755



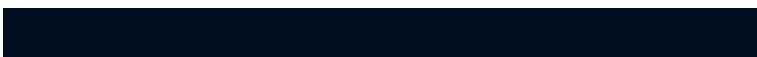
25.8878, 0.2647, 0.2472



9.9343, 0.2984, 0.3164



7.2706, 0.1744, 0.1478



0.4157, 0.1872, 0.1938

Inverse Universe

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



30.2381, 0.3465, 0.2949



49.2416, 0.3557, 0.2877



48.1584, 0.3539, 0.4002



9.6079, 0.3218, 0.3184



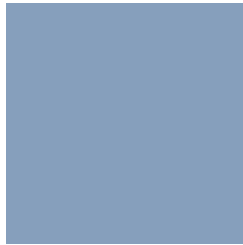
7.7637, 0.5088, 0.2576



0.3173, 0.4524, 0.2266

Previews

White Background



This preview shows how the Yxy color 33.4954, 0.2671, 0.2858 looks on a white background.

Color Contrast Check

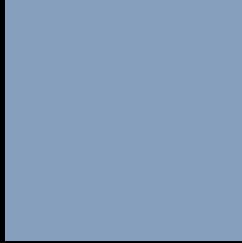
Large Text (above 18pt) WCAG AA × Fail

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 33.4954, 0.2671, 0.2858 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

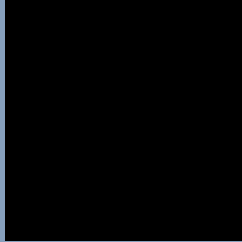
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

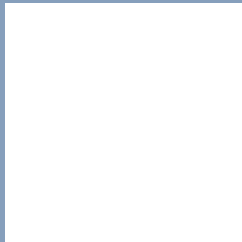
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 33.4954, 0.2671, 0.2858

Background



This preview shows how black text looks on a background with the Yxy color 33.4954, 0.2671, 0.2858.



This preview shows how white text looks on a background with the Yxy color 33.4954, 0.2671, 0.2858.

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

33.4954, 0.2671, 0.2858

Protanopia

33.4295, 0.2823, 0.2855

Deuteranopia

33.4252, 0.2834, 0.2778



Tritanopia

33.3710, 0.2753, 0.3089

Trichromacy



Original Color

33.4954, 0.2671, 0.2858

Protanomaly

33.2514, 0.2764, 0.2850

Deuteranomaly

33.3199, 0.2766, 0.2798

Tritanomaly

33.3018, 0.2723, 0.3000

Monochromacy



Original Color

33.4954, 0.2671, 0.2858

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

32.7700, 0.2945, 0.3123

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.4954, 0.2671, 0.2858 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(134, 159, 188)` looks like.

```
.text, #text, p{  
    color:rgb(134, 159, 188)  
}
```

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(134, 159, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 159, 188) }
```

Border

The CSS property to change the border of an element to Yxy 33.4954, 0.2671, 0.2858 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(134, 159, 188) }
```

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

```
.border{ border-color:rgb(134, 159, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 159, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 159, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 159, 188);  
box-shadow:4px 4px 4px 4px rgb(134, 159,  
188) }
```


Background

The CSS property to change the background color of an element to Yxy 33.4954, 0.2671, 0.2858 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 159, 188) }
```

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

```
.background{ background-color: rgb(134,  
159, 188) }
```

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