

Converting Colors

$Y_{xy}(33.1169, 0.2820, 0.2929)$

Have a look what the booklet for
Yxy(33.1169, 0.2820, 0.2929)
contains.

Yxy(33.0920, 0.2820, 0.2934)	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(33.0920, 0.2820, 0.2934)

Conversions

Conversions Part 1

Format	Color
Hex	919CB4
RGB	145, 156, 180
RGB Percent	57%, 61%, 71%
CMY	0.4313, 0.3882, 0.2941
CMYK	0.19, 0.13, 0.00, 0.29
HSL	221°, 19%, 64%
HSV	221°, 19%, 71%
XYZ	31.8062, 33.0920, 47.8898
YIQ	155.4470, -14.2600, 5.1320

Conversions

Conversions Part 2

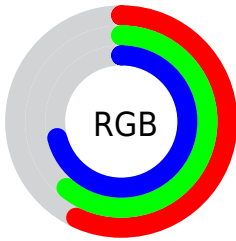
Format	Color
RYB	145, 153, 180
Decimal	9542836
CIELab	64.24, 1.29, -13.76
CIElCh	64, 13.822, 275.355
Yxy	33.0920, 0.2820, 0.2934
Android (android.graphics.Color)	4287732916 (0xFF919CB4)
YUV	155.4470, 12.1046, -9.1620
Hunter-Lab	57.5256, -1.9763, -9.0906

Details

The Yxy color **33.0920, 0.2820, 0.2934** is a light color, and the websafe version is hex **999999**. A complement of this color would be **40.1325, 0.3441, 0.3622**, and the grayscale version is **32.9388, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.2914, 0.2878, 0.2997**, and **14.0151, 0.2722, 0.2826** is the 20% darker color. If you saturate the color by 10%, you get **27.6487, 0.2647, 0.2720**, and if you desaturate by 10%, it is **39.2186, 0.2983, 0.3127**.

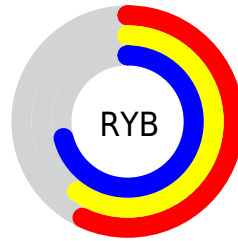
Distribution



Red (57%)

Green (61%)

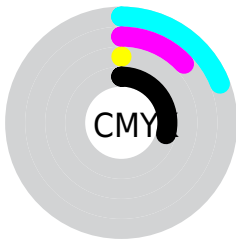
Blue (71%)



Red (57%)

Yellow (60%)

Blue (71%)

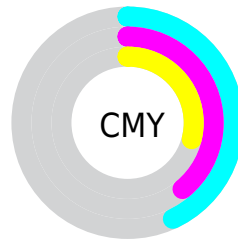


Cyan (19%)

Magenta (13%)

Yellow (0%)

Black (29%)



Cyan (43%)

Magenta (39%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.0920, 0.2820, 0.2934 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 33.0920, 0.2820, 0.2934 by changing the saturation by 10% instead.

■ 33.0920, 0.2820,
0.2934

■ 33.0920, 0.2820,
0.2934

316.0641, 0.2981,
0.3120

■ 22.1969, 0.2777,
0.2885

■ 64.5191, 0.2881,
0.3004

■ 14.0017, 0.2720,
0.2820

■ 85.8200, 0.2903,
0.3029

■ 8.1218, 0.2642,
0.2731

111.3582, 0.2921,
0.3051

■ 4.1730, 0.2527,
0.2600

141.5183, 0.2937,
0.3069

■ 1.7708, 0.2343,
0.2394

176.6845, 0.2950,
0.3084

■ 0.4689, 0.1899,
0.1866

217.2412, 0.2962,

■ 0.0000, 0.0000,

0.3098

0.0000

263.5730, 0.2972,
0.3110

■ 33.0920, 0.2820,
0.2934

■ 33.0920, 0.2820,
0.2934

■ 27.6487, 0.2647,
0.2720

■ 39.2186, 0.2983,
0.3127

■ 22.8600, 0.2469,
0.2486

■ 46.0478, 0.3135,
0.3299

■ 18.7010, 0.2289,
0.2236

■ 53.6033, 0.3276,
0.3451

■ 15.1434, 0.2115,
0.1977

■ 61.9061, 0.3404,
0.3584

■ 12.1566, 0.1955,
0.1717

■ 70.9767, 0.3520,
0.3700

■ 9.7071, 0.1816,
0.1468

■ 80.8344, 0.3625,
0.3802

■ 7.7568, 0.1706,
0.1240

■ 88.3319, 0.3606,
0.3915

■ 6.2467, 0.1625,
0.1044

■ 95.9530, 0.3574,
0.4026

■ 6.1709, 0.1621,
0.1034

■ 96.0752, 0.3573,
0.4028

Harmonies

Analogous

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



33.0920, 0.2725, 0.3015



33.0920, 0.2820, 0.2934



33.0920, 0.2998, 0.2945

Triad

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



33.0920, 0.2820, 0.2934



33.0920, 0.3539, 0.3382



33.0920, 0.3028, 0.3560

Complementary

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



33.0920, 0.2820, 0.2934



40.1325, 0.3441, 0.3622

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.



33.0920, 0.3246, 0.3663



33.0920, 0.2820, 0.2934



33.0920, 0.3545, 0.3550

Square

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



33.0920, 0.2820, 0.2934



33.0920, 0.3417, 0.3198



33.0920, 0.3436, 0.3656



33.0920, 0.2842, 0.3377

Rectangle

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



33.0920, 0.2820, 0.2934



33.0920, 0.3143, 0.3001



33.0920, 0.3436, 0.3656



33.0920, 0.3100, 0.3606

Sweetspot

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



33.0934, 0.2820, 0.2934



75.0913, 0.3035, 0.3187



41.5254, 0.2921, 0.3451



16.0630, 0.3025, 0.3176



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.



33.0934, 0.2820, 0.2934



55.9496, 0.2753, 0.2852



30.1738, 0.2870, 0.2775



8.6509, 0.2985, 0.3129



4.4149, 0.1626, 0.1055



0.2461, 0.1791, 0.1646

Inverse Universe

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



32.3610, 0.3388, 0.3137



54.5541, 0.3455, 0.3104



43.6382, 0.3356, 0.3775



8.5477, 0.3239, 0.3219



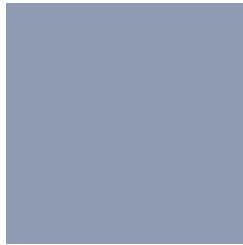
6.9858, 0.5677, 0.2901



0.2306, 0.4874, 0.2459

Previews

White Background



This preview shows how the Yxy color 33.0920, 0.2820, 0.2934 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 33.0920, 0.2820, 0.2934 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

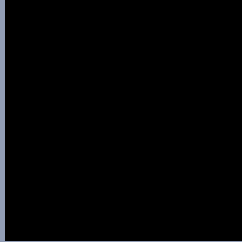
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

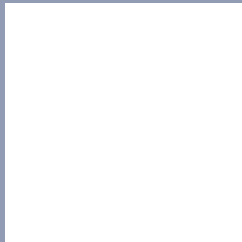
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 33.0920, 0.2820, 0.2934

Background



This preview shows how black text looks on a background with the Yxy color 33.0920, 0.2820, 0.2934.



This preview shows how white text looks on a background with the Yxy color 33.0920, 0.2820, 0.2934.

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

33.0920, 0.2820, 0.2934

Protanopia

32.9452, 0.2880, 0.2923

Deuteranopia

33.0618, 0.2926, 0.2874



Tritanopia

33.1956, 0.2884, 0.3108

Trichromacy



Original Color

33.0920, 0.2820, 0.2934

Protanomaly

33.0869, 0.2862, 0.2937

Deuteranomaly

32.8910, 0.2881, 0.2883

Tritanomaly

33.0992, 0.2860, 0.3034

Monochromacy



Original Color

33.0920, 0.2820, 0.2934

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

32.7023, 0.3008, 0.3154

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.0920, 0.2820, 0.2934 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(145, 156, 180)` looks like.

```
.text, #text, p{  
    color:rgb(145, 156, 180)  
}
```

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(145, 156, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 156, 180) }
```

Border

The CSS property to change the border of an element to Yxy 33.0920, 0.2820, 0.2934 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(145, 156, 180) }
```

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

```
.border{ border-color:rgb(145, 156, 180) }
```

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

Here you see how a box with a 4 pixel rgb(145, 156, 180) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 156, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 156, 180);  
box-shadow:4px 4px 4px 4px rgb(145, 156,  
180) }
```


Background

The CSS property to change the background color of an element to Yxy 33.0920, 0.2820, 0.2934 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 156, 180) }
```

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

```
.background{ background-color: rgb(145,  
156, 180) }
```

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