

Converting Colors

$Y_{xy}(33.8118, 0.2711, 0.2846)$

Have a look what the booklet for
Yxy(33.8118, 0.2711, 0.2846)
contains.

Yxy(33.7033, 0.2711, 0.2835)	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(33.7033, 0.2711, 0.2835)

Conversions

Conversions Part 1

Format	Color
Hex	8C9EBD
RGB	140, 158, 189
RGB Percent	55%, 62%, 74%
CMY	0.4509, 0.3804, 0.2588
CMYK	0.26, 0.16, 0.00, 0.26
HSL	218°, 27%, 65%
HSV	218°, 26%, 74%
XYZ	32.2292, 33.7033, 52.9504
YIQ	156.1520, -20.6790, 5.8250

Conversions

Conversions Part 2

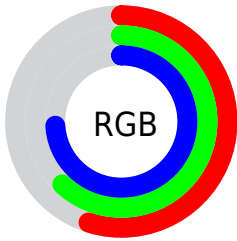
Format	Color
R _{YB}	140, 153, 189
Decimal	9215677
CIE Lab	64.73, 0.71, -18.09
CIE LCh	65, 18.108, 272.232
Yxy	33.7033, 0.2711, 0.2835
Android (android.graphics.Color)	4287405757 (0xFF8C9EBD)
YUV	156.1520, 16.1941, -14.1653
Hunter-Lab	58.0545, -2.5006, -13.4391

Details

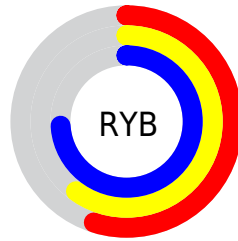
The Yxy color **33.7033, 0.2711, 0.2835** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **41.8453, 0.3568, 0.3706**, and the grayscale version is **33.2521, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.6504, 0.2792, 0.2932**, and **14.4168, 0.2579, 0.2690** is the 20% darker color. If you saturate the color by 10%, you get **28.3171, 0.2538, 0.2625**, and if you desaturate by 10%, it is **39.7714, 0.2879, 0.3026**.

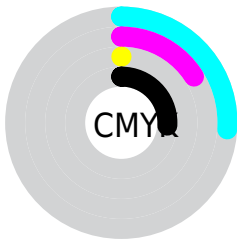
Distribution



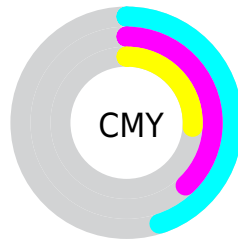
- Red (55%)
- Green (62%)
- Blue (74%)



- Red (55%)
- Yellow (60%)
- Blue (74%)



- Cyan (26%)
- Magenta (16%)
- Yellow (0%)
- Black (26%)



- Cyan (45%)
- Magenta (38%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.7033, 0.2711, 0.2835 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 33.7033, 0.2711, 0.2835 by changing the saturation by 10% instead.

■ 33.7033, 0.2711,
0.2835

■ 33.7033, 0.2711,
0.2835

318.8070, 0.2928,
0.3072

■ 22.6658, 0.2654,
0.2773

■ 65.4720, 0.2792,
0.2923

■ 14.3469, 0.2579,
0.2692

■ 86.9720, 0.2822,
0.2956

■ 8.3623, 0.2477,
0.2581

■ 112.7282, 0.2847,
0.2983

■ 4.3277, 0.2330,
0.2422

143.1251, 0.2868,
0.3006

■ 1.8585, 0.2102,
0.2176

178.5470, 0.2886,
0.3026

■ 0.5232, 0.1628,
0.1655

219.3784, 0.2902,

■ 0.0000, 0.0000,

0.3043

0.0000

266.0036, 0.2916,
0.3058

■ 33.7033, 0.2711,
0.2835

■ 33.7033, 0.2711,
0.2835

■ 28.3171, 0.2538,
0.2625

■ 39.7714, 0.2879,
0.3026

■ 23.5830, 0.2363,
0.2400

■ 46.5417, 0.3038,
0.3198

■ 19.4750, 0.2193,
0.2162

■ 54.0383, 0.3187,
0.3350

■ 15.9632, 0.2033,
0.1918

■ 62.2831, 0.3325,
0.3485

■ 13.0152, 0.1892,
0.1678

■ 71.2970, 0.3451,
0.3602

■ 10.5944, 0.1775,
0.1450

■ 81.1000, 0.3567,
0.3706

■ 8.6575, 0.1688,
0.1244

■ 88.2778, 0.3550,
0.3818

■ 7.9780, 0.1657,
0.1166

■ 95.6221, 0.3523,
0.3927

■ 96.4541, 0.3520,
0.3939

Harmonies

Analogous

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



33.7033, 0.2603, 0.2947



33.7033, 0.2711, 0.2835



33.7033, 0.2930, 0.2840

Triad

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



33.7033, 0.2711, 0.2835



33.7033, 0.3655, 0.3379



33.7033, 0.3025, 0.3666

Complementary

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



33.7033, 0.2711, 0.2835



41.8453, 0.3568, 0.3706

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.



33.7033, 0.3308, 0.3786



33.7033, 0.2711, 0.2835



33.7033, 0.3679, 0.3603

Square

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



33.7033, 0.2711, 0.2835



33.7033, 0.3481, 0.3146



33.7033, 0.3549, 0.3757



33.7033, 0.2778, 0.3430

Rectangle

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



33.7033, 0.2711, 0.2835



33.7033, 0.3115, 0.2904



33.7033, 0.3549, 0.3757



33.7033, 0.3119, 0.3722

Sweetspot

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



33.7047, 0.2711, 0.2835



80.5645, 0.3003, 0.3161



44.8830, 0.2879, 0.3560



16.9229, 0.2980, 0.3136



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.



33.7047, 0.2711, 0.2835



54.8346, 0.2615, 0.2720



28.5217, 0.2738, 0.2571



9.7836, 0.2984, 0.3141



5.5024, 0.1664, 0.1190



0.3416, 0.1803, 0.1690

Inverse Universe

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



32.0486, 0.3473, 0.3047



51.7405, 0.3574, 0.2991



48.3916, 0.3462, 0.3939



9.5927, 0.3232, 0.3206



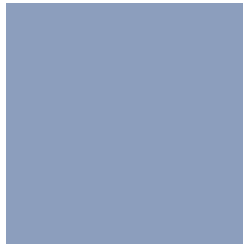
7.5852, 0.5481, 0.2793



0.3098, 0.4819, 0.2428

Previews

White Background



This preview shows how the Yxy color 33.7033, 0.2711, 0.2835 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 33.7033, 0.2711, 0.2835 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

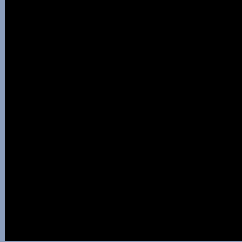
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

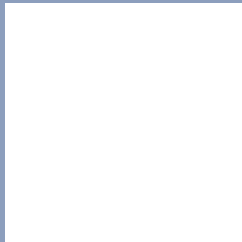
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 33.7033, 0.2711, 0.2835

Background



This preview shows how black text looks on a background with the Yxy color 33.7033, 0.2711, 0.2835.



This preview shows how white text looks on a background with the Yxy color 33.7033, 0.2711, 0.2835.

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

33.7033, 0.2711, 0.2835

Protanopia

33.5146, 0.2807, 0.2828

Deuteranopia

33.4687, 0.2826, 0.2765



Tritanopia

33.8252, 0.2811, 0.3107

Trichromacy



Original Color

33.7033, 0.2711, 0.2835

Protanomaly

33.5188, 0.2766, 0.2825

Deuteranomaly

33.6444, 0.2784, 0.2788

Tritanomaly

33.7996, 0.2772, 0.3004

Monochromacy



Original Color

33.7033, 0.2711, 0.2835

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

33.4251, 0.2964, 0.3125

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.7033, 0.2711, 0.2835 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(140, 158, 189)` looks like.

```
.text, #text, p{  
    color:rgb(140, 158, 189)  
}
```

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(140, 158, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 158, 189) }
```

Border

The CSS property to change the border of an element to Yxy 33.7033, 0.2711, 0.2835 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(140, 158, 189) }
```

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

```
.border{ border-color:rgb(140, 158, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 158, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 158, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 158, 189);  
box-shadow:4px 4px 4px 4px rgb(140, 158,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 33.7033, 0.2711, 0.2835 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 158, 189) }
```

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

```
.background{ background-color: rgb(140,  
158, 189) }
```

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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