

Converting Colors

$Yxy(33.0088, 0.2869, 0.2536)$

Have a look what the booklet for
Yxy(33.0088, 0.2869, 0.2536)
contains.

Yxy(33.0139, 0.2867, 0.2541)	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(33.0139, 0.2867, 0.2541)

Conversions

Conversions Part 1

Format	Color
Hex	AA91C9
RGB	170, 145, 201
RGB Percent	67%, 57%, 79%
CMY	0.3332, 0.4314, 0.2118
CMYK	0.15, 0.28, 0.00, 0.21
HSL	267°, 34%, 68%
HSV	267°, 28%, 79%
XYZ	37.2494, 33.0139, 59.6615
YIQ	158.8590, -3.0760, 22.7160

Conversions

Conversions Part 2

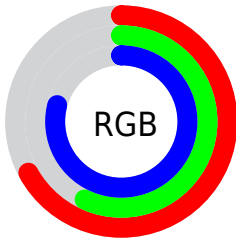
Format	Color
R_{YB}	170, 145, 201
Decimal	11178441
CIE _{Lab}	64.17, 20.33, -25.43
CIE _{LCh}	64, 32.560, 308.641
Yxy	33.0139, 0.2867, 0.2541
Android (android.graphics.Color)	4289368521 (0xFFAA91C9)
YUV	158.8590, 20.7755, 9.7707
Hunter-Lab	57.4577, 15.1693, -21.3436

Details

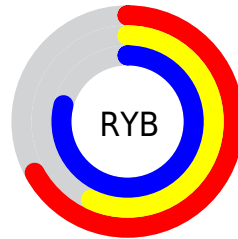
The Yxy color **33.0139, 0.2867, 0.2541** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **53.0381, 0.3334, 0.4029**, and the grayscale version is **34.5096, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.2356, 0.2942, 0.2706**, and **13.8939, 0.2772, 0.2319** is the 20% darker color. If you saturate the color by 10%, you get **26.2200, 0.2748, 0.2241**, and if you desaturate by 10%, it is **41.0018, 0.2973, 0.2828**.

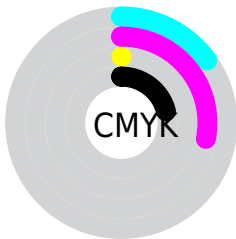
Distribution



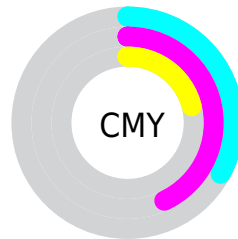
- Red (67%)
- Green (57%)
- Blue (79%)



- Red (67%)
- Yellow (57%)
- Blue (79%)



- Cyan (15%)
- Magenta (28%)
- Yellow (0%)
- Black (21%)





- Cyan (33%)
- Magenta (43%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.0139, 0.2867, 0.2541 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 33.0139, 0.2867, 0.2541 by changing the saturation by 10% instead.

 33.0139, 0.2867,
0.2541


 33.0139, 0.2867,
0.2541


315.7124, 0.3009,
0.2916

 22.1371, 0.2828,
0.2448


 64.3972, 0.2921,
0.2677

 13.9577, 0.2776,
0.2329

 85.6725, 0.2941,
0.2728

 8.0912, 0.2703,
0.2172


111.1828, 0.2957,
0.2772

 4.1534, 0.2596,
0.1957

141.3124, 0.2971,
0.2809

 1.7597, 0.2424,
0.1649

176.4458, 0.2982,
0.2841

 0.4619, 0.2148,
0.1057

216.9673, 0.2992,

 0.0000, 0.0000,

0.2869

0.0000

263.2614, 0.3001,
0.2894

■ 33.0139, 0.2867,
0.2541

■ 33.0139, 0.2867,
0.2541

■ 26.2200, 0.2748,
0.2241

■ 41.0018, 0.2973,
0.2828

■ 20.5562, 0.2616,
0.1938

■ 50.2352, 0.3064,
0.3095

■ 15.9586, 0.2476,
0.1644

■ 60.7673, 0.3143,
0.3341

■ 12.3551, 0.2332,
0.1375

■ 72.6473, 0.3209,
0.3563

■ 9.6644, 0.2191,
0.1147

■ 85.9214, 0.3265,
0.3762

■ 7.7912, 0.2059,
0.0972

■ 93.6906, 0.3327,
0.3842

■ 6.5979, 0.1942,
0.0853

■ 95.6599, 0.3400,
0.3829

■ 6.3836, 0.1919,
0.0831

■ 96.9966, 0.3448,
0.3820

Harmonies

Analogous

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



33.0139, 0.2459, 0.2480



33.0139, 0.2867, 0.2541



33.0139, 0.3382, 0.2765

Triad

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



33.0139, 0.2867, 0.2541



33.0139, 0.4093, 0.3892



33.0139, 0.2430, 0.3428

Complementary

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



33.0139, 0.2867, 0.2541



53.0381, 0.3334, 0.4029

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.



33.0139, 0.2826, 0.3916



33.0139, 0.2867, 0.2541



33.0139, 0.3791, 0.4163

Square

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



33.0139, 0.2867, 0.2541



33.0139, 0.4124, 0.3507



33.0139, 0.3324, 0.4195



33.0139, 0.2223, 0.2942

Rectangle

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



33.0139, 0.2867, 0.2541



33.0139, 0.3714, 0.2983



33.0139, 0.3324, 0.4195



33.0139, 0.2544, 0.3601

Sweetspot

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



33.0153, 0.2867, 0.2541



85.5911, 0.3062, 0.3089



41.5720, 0.2692, 0.2954



17.7753, 0.3049, 0.3049



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



33.0153, 0.2867, 0.2541



49.7681, 0.2802, 0.2374



36.3709, 0.3124, 0.2596



10.5157, 0.3051, 0.3056



4.0668, 0.1934, 0.0839



0.2354, 0.2173, 0.0971

Inverse Universe

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



35.7981, 0.3402, 0.2897



55.3585, 0.3475, 0.2814



50.1773, 0.3118, 0.4081



10.7334, 0.3205, 0.3163



8.5498, 0.4719, 0.2373



0.4193, 0.4321, 0.2154

Previews

White Background



This preview shows how the Yxy color 33.0139, 0.2867, 0.2541 looks on a white background.

Color Contrast Check

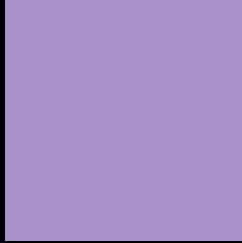
Large Text (above 18pt) WCAG AA × Fail

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 33.0139, 0.2867, 0.2541 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

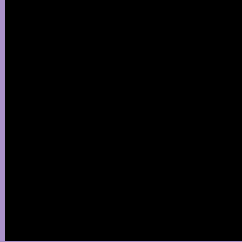
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.0139, 0.2867, 0.2541

Background



This preview shows how black text looks on a background with the Yxy color 33.0139, 0.2867, 0.2541.



This preview shows how white text looks on a background with the Yxy color 33.0139, 0.2867, 0.2541.

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

33.0139, 0.2867, 0.2541

Protanopia

33.2789, 0.2585, 0.2545

Deuteranopia

33.2019, 0.2696, 0.2640



Tritanopia

33.0293, 0.3135, 0.3116

Trichromacy



Original Color

33.0139, 0.2867, 0.2541

Protanomaly

33.2164, 0.2683, 0.2544

Deuteranomaly

33.0507, 0.2753, 0.2597

Tritanomaly

32.7762, 0.3037, 0.2893

Monochromacy



Original Color

33.0139, 0.2867, 0.2541

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

33.9537, 0.3034, 0.3004

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.0139, 0.2867, 0.2541 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(170, 145, 201)` looks like.

```
.text, #text, p{  
    color:rgb(170, 145, 201)  
}
```

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(170, 145, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 145, 201) }
```

Border

The CSS property to change the border of an element to Yxy 33.0139, 0.2867, 0.2541 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(170, 145, 201) }
```

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

```
.border{ border-color:rgb(170, 145, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 145, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 145, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 145, 201);  
box-shadow:4px 4px 4px 4px rgb(170, 145,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 33.0139, 0.2867, 0.2541 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 145, 201) }
```

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

```
.background{ background-color: rgb(170,  
145, 201) }
```

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