

Converting Colors

$Yxy(33.6434, 0.2707, 0.2175)$

Have a look what the booklet for
Yxy(33.6434, 0.2707, 0.2175)
contains.

Yxy(33.6434, 0.2707, 0.2175)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(33.6434, 0.2707, 0.2175)

Conversions

Conversions Part 1

Format	Color
Hex	B28BE6
RGB	178, 139, 230
RGB Percent	70%, 55%, 90%
CMY	0.3021, 0.4549, 0.0979
CMYK	0.23, 0.40, 0.00, 0.10
HSL	266°, 65%, 72%
HSV	266°, 40%, 90%
XYZ	41.8725, 33.6434, 79.1664
YIQ	161.0350, -5.9670, 36.5690

Conversions

Conversions Part 2

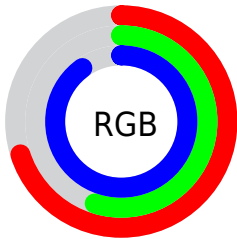
Format	Color
R _Y B	178, 139, 230
Decimal	11701222
CIE _{Lab}	64.68, 32.70, -40.74
CIE _{LCh}	65, 52.241, 308.752
Y _{xy}	33.6434, 0.2707, 0.2175
Android (android.graphics.Color)	4289891302 (0xFFB28BE6)
Y _{UV}	161.0350, 33.9997, 14.8783
Hunter-Lab	58.0029, 27.3546, -40.3210

Details

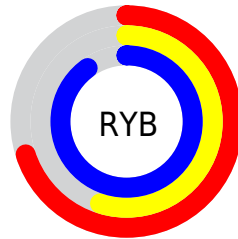
The Yxy color **33.6434, 0.2707, 0.2175** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **69.5561, 0.3425, 0.4374**, and the grayscale version is **35.4989, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.0221, 0.3007, 0.2655**, and **14.2464, 0.2562, 0.1891** is the 20% darker color. If you saturate the color by 10%, you get **26.1869, 0.2568, 0.1867**, and if you desaturate by 10%, it is **42.6531, 0.2834, 0.2481**.

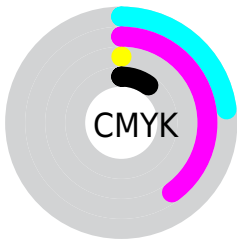
Distribution



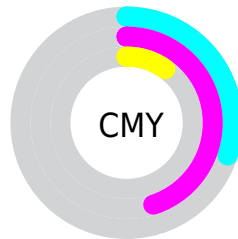
- Red (70%)
- Green (55%)
- Blue (90%)



- Red (70%)
- Yellow (55%)
- Blue (90%)



- Cyan (23%)
- Magenta (40%)
- Yellow (0%)
- Black (10%)





- Cyan (30%)
- Magenta (45%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.6434, 0.2707, 0.2175 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 33.6434, 0.2707, 0.2175 by changing the saturation by 10% instead.


 33.6434, 0.2707,
0.2175


 33.6434, 0.2707,
0.2175


318.5390, 0.2935,
0.2710

 22.6198, 0.2646,
0.2050


 65.3787, 0.2793,
0.2363

 14.3130, 0.2566,
0.1896


 86.8593, 0.2825,
0.2436

 8.3387, 0.2458,
0.1702


 112.5942, 0.2851,
0.2498

 4.3124, 0.2304,
0.1451

142.9680, 0.2873,
0.2552

 1.8498, 0.2076,
0.1126

178.3649, 0.2892,
0.2599

 0.5179, 0.1727,
0.0651

219.1695, 0.2908,


 0.0000, 0.0780,

0.2641


0.0000


265.7661, 0.2923,
0.2677


 0.0000, 0.0000,
0.0000


 33.6434, 0.2707,
0.2175


 33.6434, 0.2707,
0.2175


 26.1869, 0.2568,
0.1867


 42.6531, 0.2834,
0.2481


 20.1869, 0.2421,
0.1572


 53.2969, 0.2947,
0.2774


 15.5416, 0.2272,
0.1306

 65.6548, 0.3046,
0.3049

 12.1337, 0.2128,
0.1084

 79.8002, 0.3131,
0.3300

 9.8249, 0.1996,
0.0920

 95.8021, 0.3202,
0.3528

■ 8.3906, 0.1882,
0.0812

■ 98.4945, 0.3274,
0.3532

■ 8.3368, 0.1878,
0.0808

Harmonies

Analogous

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



33.6434, 0.2108, 0.2073



33.6434, 0.2707, 0.2175



33.6434, 0.3516, 0.2497

Triad

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



33.6434, 0.2707, 0.2175



33.6434, 0.4617, 0.4144



33.6434, 0.2043, 0.3480

Complementary

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



33.6434, 0.2707, 0.2175



69.5561, 0.3425, 0.4374

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.



33.6434, 0.2621, 0.4336



33.6434, 0.2707, 0.2175



33.6434, 0.4110, 0.4635

Square

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



33.6434, 0.2707, 0.2175



33.6434, 0.4712, 0.3556



33.6434, 0.3379, 0.4781



33.6434, 0.1765, 0.2699

Rectangle

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



33.6434, 0.2707, 0.2175



33.6434, 0.4060, 0.2807



33.6434, 0.3379, 0.4781



33.6434, 0.2205, 0.3780

Sweetspot

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



33.6447, 0.2707, 0.2175



78.8370, 0.3023, 0.2982



48.9487, 0.2507, 0.2801



16.4239, 0.3010, 0.2947



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.



33.6447, 0.2707, 0.2175



35.0855, 0.2601, 0.1938



39.7824, 0.3104, 0.2296



14.1872, 0.3047, 0.3052



4.7877, 0.1894, 0.0817



0.4077, 0.2057, 0.0907

Inverse Universe

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



39.0603, 0.3549, 0.2703



42.9750, 0.3667, 0.2592



64.6369, 0.3118, 0.4486



14.5055, 0.3203, 0.3156



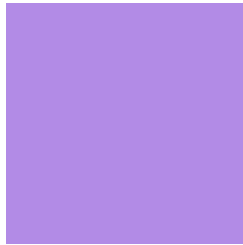
10.4854, 0.4652, 0.2336



0.7934, 0.4383, 0.2188

Previews

White Background



This preview shows how the Yxy color 33.6434, 0.2707, 0.2175 looks on a white background.

Color Contrast Check

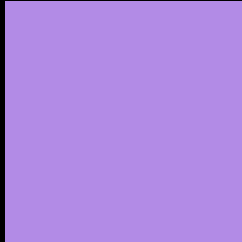
Large Text (above 18pt) WCAG AA × Fail

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 33.6434, 0.2707, 0.2175 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

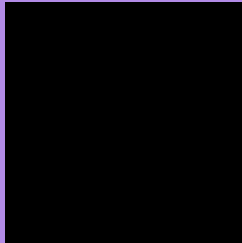
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.6434, 0.2707, 0.2175

Background



This preview shows how black text looks on a background with the Yxy color 33.6434, 0.2707, 0.2175.



This preview shows how white text looks on a background with the Yxy color 33.6434, 0.2707, 0.2175.

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

33.6434, 0.2707, 0.2175

Protanopia

33.9422, 0.2268, 0.2127

Deuteranopia

33.9901, 0.2381, 0.2325



Tritanopia

33.6061, 0.3145, 0.3117

Trichromacy



Original Color

33.6434, 0.2707, 0.2175

Protanomaly

33.5972, 0.2405, 0.2145

Deuteranomaly

33.6172, 0.2488, 0.2264

Tritanomaly

33.4000, 0.2969, 0.2728

Monochromacy



Original Color

33.6434, 0.2707, 0.2175

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

34.5431, 0.2968, 0.2833

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.6434, 0.2707, 0.2175 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(178, 139, 230)` looks like.

```
.text, #text, p{  
    color:rgb(178, 139, 230)  
}
```

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(178, 139, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 139, 230) }
```

Border

The CSS property to change the border of an element to Yxy 33.6434, 0.2707, 0.2175 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(178, 139, 230) }
```

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

```
.border{ border-color:rgb(178, 139, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 139, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 139, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 139, 230);  
box-shadow:4px 4px 4px 4px rgb(178, 139,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 33.6434, 0.2707, 0.2175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 139, 230) }
```

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

```
.background{ background-color: rgb(178,  
139, 230) }
```

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