

Converting Colors

$Y_{xy}(33.6933, 0.2645, 0.1873)$

Have a look what the booklet for
Yxy(33.6933, 0.2645, 0.1873)
contains.

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Color

Yxy(33.7362, 0.2647, 0.1874)

Conversions

Conversions Part 1

Format	Color
Hex	C17FFF
RGB	193, 127, 255
RGB Percent	76%, 50%, 100%
CMY	0.2428, 0.5021, 0.0000
CMYK	0.24, 0.50, 0.00, 0.00
HSL	271°, 100%, 75%
HSV	271°, 50%, 100%
XYZ	47.6519, 33.7362, 98.6343
YIQ	161.3260, -1.7520, 53.8000

Conversions

Conversions Part 2

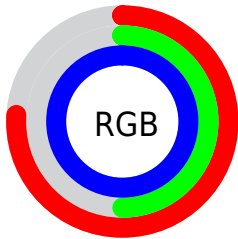
Format	Color
RYB	193, 127, 255
Decimal	12681215
CIELab	64.75, 49.14, -54.29
CIElCh	65, 73.223, 312.148
Yxy	33.7362, 0.2647, 0.1874
Android (android.graphics.Color)	4290871295 (0xFFC17FFF)
YUV	161.3260, 46.1813, 27.7781
Hunter-Lab	58.0829, 44.7987, -60.0262

Details

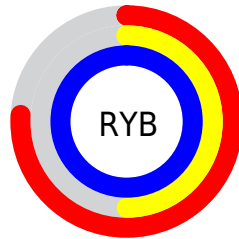
The Yxy color **33.7362, 0.2647, 0.1874** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **83.8524, 0.3412, 0.4725**, and the grayscale version is **35.5806, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.9632, 0.3138, 0.2560**, and **14.3436, 0.2480, 0.1556** is the 20% darker color. If you saturate the color by 10%, you get **26.4101, 0.2520, 0.1594**, and if you desaturate by 10%, it is **42.8621, 0.2767, 0.2170**.

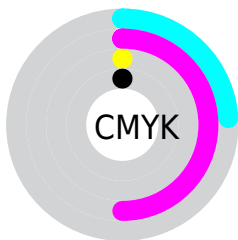
Distribution



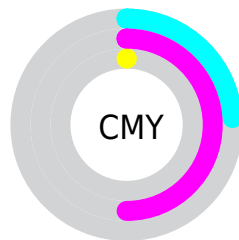
- Red (76%)
- Green (50%)
- Blue (100%)



- Red (76%)
- Yellow (50%)
- Blue (100%)



- Cyan (24%)
- Magenta (50%)
- Yellow (0%)
- Black (0%)




- Cyan (24%)
- Magenta (50%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.7362, 0.2647, 0.1874 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 33.7362, 0.2647, 0.1874 by changing the saturation by 10% instead.


 33.7362, 0.2647,
0.1874


 33.7362, 0.2647,
0.1874


318.9542, 0.2912,
0.2523


 22.6910, 0.2577,
0.1732


 65.5232, 0.2747,
0.2095

 14.3655, 0.2487,
0.1562


 87.0339, 0.2783,
0.2183

 8.3753, 0.2366,
0.1355


 112.8018, 0.2814,
0.2258

 4.3360, 0.2199,
0.1104

143.2113, 0.2839,
0.2325

 1.8633, 0.1962,
0.0802

178.6470, 0.2861,
0.2383

 0.5261, 0.1620,
0.0421

219.4931, 0.2880,

 0.0000, 0.1096,

0.2435

0.0000

266.1340, 0.2897,
0.2482

0.0000, 0.0000,
0.0000

33.7362, 0.2647,
0.1874

33.7362, 0.2647,
0.1874

26.4101, 0.2520,
0.1594

42.8621, 0.2767,
0.2170

20.7544, 0.2390,
0.1345

53.9082, 0.2875,
0.2468

16.6180, 0.2262,
0.1141

66.9813, 0.2971,
0.2758

13.8220, 0.2142,
0.0992

82.1812, 0.3055,
0.3031

12.1020, 0.2037,
0.0896

99.6006, 0.3126,
0.3285

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



33.7362, 0.1846, 0.1706



33.7362, 0.2647, 0.1874



33.7362, 0.3779, 0.2300

Triad

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



33.7362, 0.2647, 0.1874



33.7362, 0.5024, 0.4382



33.7362, 0.1605, 0.3369

Complementary

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



33.7362, 0.2647, 0.1874



83.8524, 0.3412, 0.4725

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.



33.7362, 0.2284, 0.4698



33.7362, 0.2647, 0.1874



33.7362, 0.4245, 0.5116

Square

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



33.7362, 0.2647, 0.1874



33.7362, 0.5313, 0.3619



33.7362, 0.3256, 0.5407



33.7362, 0.1339, 0.2343

Rectangle

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



33.7362, 0.2647, 0.1874



33.7362, 0.4541, 0.2695



33.7362, 0.3256, 0.5407



33.7362, 0.1785, 0.3813

Sweetspot

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



33.7355, 0.2647, 0.1874



74.6365, 0.3016, 0.2903



48.9795, 0.2317, 0.2498



15.2978, 0.2999, 0.2845



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.



33.7355, 0.2647, 0.1874



26.5495, 0.2523, 0.1600



43.6463, 0.3184, 0.2078



17.8391, 0.3060, 0.3050



6.4129, 0.2053, 0.0905



0.6895, 0.2174, 0.0971

Inverse Universe

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



40.0945, 0.3845, 0.2658



33.8964, 0.4063, 0.2558



77.5594, 0.3052, 0.4897



18.1334, 0.3218, 0.3176



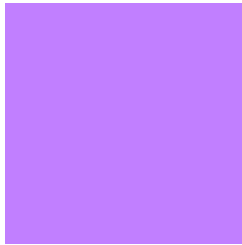
11.8898, 0.5034, 0.2547



1.1796, 0.4771, 0.2402

Previews

White Background



This preview shows how the Yxy color 33.7362, 0.2647, 0.1874 looks on a white background.

Color Contrast Check

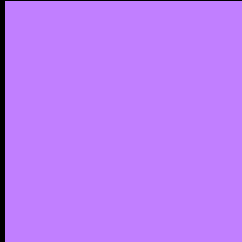
Large Text (above 18pt) WCAG AA × Fail

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 33.7362, 0.2647, 0.1874 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

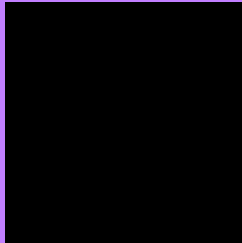
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.7362, 0.2647, 0.1874

Background



This preview shows how black text looks on a background with the Yxy color 33.7362, 0.2647, 0.1874.



This preview shows how white text looks on a background with the Yxy color 33.7362, 0.2647, 0.1874.

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

33.7362, 0.2647, 0.1874

Protanopia

34.0442, 0.2164, 0.2002

Deuteranopia

34.0177, 0.2147, 0.2081



Tritanopia

33.7330, 0.3298, 0.3136

Trichromacy



Original Color

33.7362, 0.2647, 0.1874



Protanomaly

33.0958, 0.2304, 0.1929



Deuteranomaly

32.9261, 0.2290, 0.1975



Tritanomaly

33.3534, 0.3041, 0.2597

Monochromacy



Original Color

33.7362, 0.2647, 0.1874



Achromatopsia

35.6400, 0.3127, 0.3290



Achromatomaly

34.3193, 0.2946, 0.2673

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.7362, 0.2647, 0.1874 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(193, 127, 255)` looks like.

```
.text, #text, p{  
    color:rgb(193, 127, 255)  
}
```

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(193, 127, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 127, 255) }
```

Border

The CSS property to change the border of an element to Yxy 33.7362, 0.2647, 0.1874 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(193, 127, 255) }
```

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

```
.border{ border-color:rgb(193, 127, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 127, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 127, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 127, 255);  
box-shadow:4px 4px 4px 4px rgb(193, 127,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 33.7362, 0.2647, 0.1874 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 127, 255) }
```

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

```
.background{ background-color: rgb(193,  
127, 255) }
```

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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