

Converting Colors

$Y_{xy}(33.6642, 0.2614, 0.2160)$

Have a look what the booklet for
Yxy(33.6642, 0.2614, 0.2160)
contains.

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Color

Yxy(33.6642, 0.2614, 0.2160)

Conversions

Conversions Part 1

Format	Color
Hex	A98EE9
RGB	169, 142, 233
RGB Percent	66%, 56%, 91%
CMY	0.3374, 0.4431, 0.0862
CMYK	0.27, 0.39, 0.00, 0.09
HSL	258°, 67%, 74%
HSV	258°, 39%, 91%
XYZ	40.7399, 33.6642, 81.4487
YIQ	160.4470, -13.1190, 34.0250

Conversions

Conversions Part 2

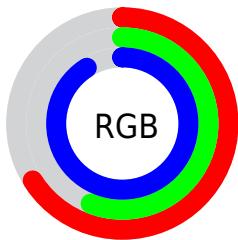
Format	Color
RYB	169, 142, 233
Decimal	11112169
CIELab	64.70, 29.17, -42.42
CIELCh	65, 51.483, 304.509
Yxy	33.6642, 0.2614, 0.2160
Android (android.graphics.Color)	4289302249 (0xFFA98EE9)
YUV	160.4470, 35.7686, 7.5010
Hunter-Lab	58.0209, 23.7990, -42.6157

Details

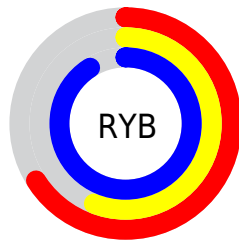
The Yxy color **33.6642, 0.2614, 0.2160** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **73.3655, 0.3510, 0.4329**, and the grayscale version is **35.2069, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.8686, 0.2941, 0.2674**, and **14.3013, 0.2453, 0.1872** is the 20% darker color. If you saturate the color by 10%, you get **25.7400, 0.2446, 0.1834**, and if you desaturate by 10%, it is **43.2676, 0.2769, 0.2480**.

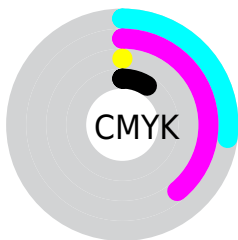
Distribution



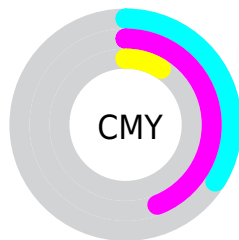
- Red (66%)
- Green (56%)
- Blue (91%)



- Red (66%)
- Yellow (56%)
- Blue (91%)



- Cyan (27%)
- Magenta (39%)
- Yellow (0%)
- Black (9%)





- Cyan (34%)
- Magenta (44%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.6642, 0.2614, 0.2160 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 33.6642, 0.2614, 0.2160 by changing the saturation by 10% instead.


 33.6642, 0.2614,
0.2160


 33.6642, 0.2614,
0.2160


318.6321, 0.2887,
0.2704

 22.6357, 0.2543,
0.2033


 65.4111, 0.2716,
0.2351

 14.3248, 0.2450,
0.1877


 86.8984, 0.2754,
0.2425

 8.3469, 0.2325,
0.1680


 112.6407, 0.2785,
0.2488

 4.3177, 0.2152,
0.1427

143.0225, 0.2812,
0.2543

 1.8528, 0.1900,
0.1100

178.4282, 0.2835,
0.2591

 0.5198, 0.1526,
0.0629

219.2420, 0.2855,

 0.0000, 0.0477,


0.2633

0.0000

265.8486, 0.2872,
0.2670

 0.0000, 0.0000,
0.0000

 33.6642, 0.2614,
0.2160


 33.6642, 0.2614,
0.2160


 25.7400, 0.2446,
0.1834


 43.2676, 0.2769,
0.2480


 19.3917, 0.2272,
0.1518


 54.6373, 0.2908,
0.2782


 14.5103, 0.2100,
0.1231

 67.8590, 0.3031,
0.3061

 10.9710, 0.1940,
0.0993

 83.0117, 0.3136,
0.3313

 8.6268, 0.1803,
0.0819

 97.9054, 0.3230,
0.3504

■ 7.2560, 0.1694,
0.0710

■ 98.6638, 0.3256,
0.3503

■ 7.1506, 0.1685,
0.0702

Harmonies

Analogous

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



33.6642, 0.2060, 0.2093



33.6642, 0.2614, 0.2160



33.6642, 0.3393, 0.2450

Triad

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



33.6642, 0.2614, 0.2160



33.6642, 0.4640, 0.4056



33.6642, 0.2121, 0.3603

Complementary

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



33.6642, 0.2614, 0.2160



73.3655, 0.3510, 0.4329

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.



33.6642, 0.2729, 0.4415



33.6642, 0.2614, 0.2160



33.6642, 0.4188, 0.4563

Square

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



33.6642, 0.2614, 0.2160



33.6642, 0.4661, 0.3472



33.6642, 0.3486, 0.4770



33.6642, 0.1802, 0.2801

Rectangle

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



33.6642, 0.2614, 0.2160



33.6642, 0.3939, 0.2744



33.6642, 0.3486, 0.4770



33.6642, 0.2296, 0.3896

Sweetspot

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



33.6655, 0.2614, 0.2160



78.1490, 0.2996, 0.2980



56.3715, 0.2538, 0.2966



16.2626, 0.2980, 0.2944



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.



33.6655, 0.2614, 0.2160



33.2100, 0.2478, 0.1893



39.4233, 0.2995, 0.2275



14.7652, 0.3026, 0.3050



4.1128, 0.1699, 0.0709



0.3711, 0.1845, 0.0790

Inverse Universe

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



41.1333, 0.3422, 0.2586



43.7700, 0.3506, 0.2445



67.8900, 0.3197, 0.4441



15.2333, 0.3183, 0.3126



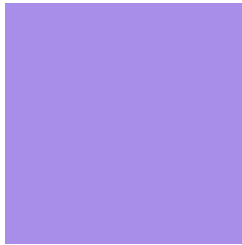
11.3726, 0.4131, 0.2049



0.9098, 0.3972, 0.1962

Previews

White Background



This preview shows how the Yxy color 33.6642, 0.2614, 0.2160 looks on a white background.

Color Contrast Check

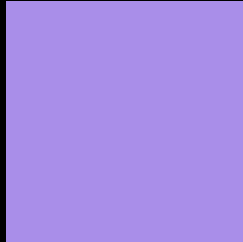
Large Text (above 18pt) WCAG AA × Fail

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 33.6642, 0.2614, 0.2160 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

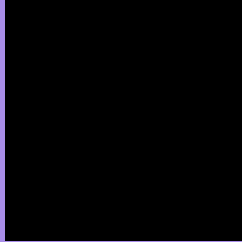
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.6642, 0.2614, 0.2160

Background



This preview shows how black text looks on a background with the Yxy color 33.6642, 0.2614, 0.2160.



This preview shows how white text looks on a background with the Yxy color 33.6642, 0.2614, 0.2160.

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

33.6642, 0.2614, 0.2160

Protanopia

33.9422, 0.2268, 0.2127

Deuteranopia

33.9257, 0.2345, 0.2288



Tritanopia

33.7722, 0.3030, 0.3114

Trichromacy



Original Color

33.6642, 0.2614, 0.2160

Protanomaly

33.7074, 0.2381, 0.2142

Deuteranomaly

33.6535, 0.2436, 0.2237

Tritanomaly

33.5161, 0.2862, 0.2719

Monochromacy



Original Color

33.6642, 0.2614, 0.2160

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

34.1569, 0.2922, 0.2815

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.6642, 0.2614, 0.2160 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(169, 142, 233)` looks like.

```
.text, #text, p{  
    color:rgb(169, 142, 233)  
}
```

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(169, 142, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 142, 233) }
```

Border

The CSS property to change the border of an element to Yxy 33.6642, 0.2614, 0.2160 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(169, 142, 233) }
```

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

```
.border{ border-color:rgb(169, 142, 233) }
```

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

Here you see how a box with a 4 pixel rgb(169, 142, 233) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 142, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 142, 233);  
box-shadow:4px 4px 4px 4px rgb(169, 142,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 33.6642, 0.2614, 0.2160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 142, 233) }
```

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

```
.background{ background-color: rgb(169,  
142, 233) }
```

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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