

Converting Colors

$Y_{xy}(33.2616, 0.2649, 0.2216)$

Have a look what the booklet for
Yxy(33.2616, 0.2649, 0.2216)
contains.

Yxy(33.2169, 0.2648, 0.2216)	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(33.2169, 0.2648, 0.2216)

Conversions

Conversions Part 1

Format	Color
Hex	A88EE3
RGB	168, 142, 227
RGB Percent	66%, 56%, 89%
CMY	0.3410, 0.4432, 0.1098
CMYK	0.26, 0.37, 0.00, 0.11
HSL	258°, 60%, 72%
HSV	258°, 37%, 89%
XYZ	39.6924, 33.2169, 76.9865
YIQ	159.4640, -11.7890, 31.9470

Conversions

Conversions Part 2

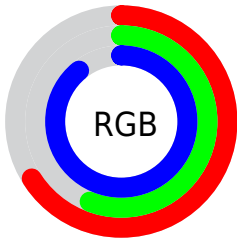
Format	Color
R _Y B	168, 142, 227
Decimal	11046627
CIE Lab	64.34, 27.45, -39.66
CIE LCh	64, 48.240, 304.690
Yxy	33.2169, 0.2648, 0.2216
Android (android.graphics.Color)	4289236707 (0xFFA88EE3)
YUV	159.4640, 33.2952, 7.4861
Hunter-Lab	57.6341, 22.0726, -38.8545

Details

The Yxy color **33.2169, 0.2648, 0.2216** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **69.2953, 0.3489, 0.4285**, and the grayscale version is **34.7456, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.7074, 0.2934, 0.2673**, and **13.9999, 0.2494, 0.1936** is the 20% darker color. If you saturate the color by 10%, you get **25.5132, 0.2485, 0.1892**, and if you desaturate by 10%, it is **42.5076, 0.2798, 0.2532**.

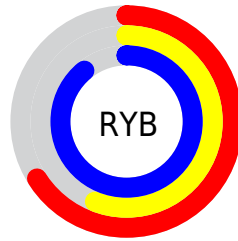
Distribution



Red (66%)

Green (56%)

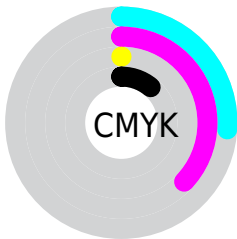
Blue (89%)



Red (66%)

Yellow (56%)

Blue (89%)

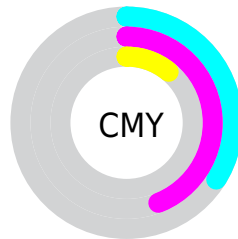


Cyan (26%)

Magenta (37%)

Yellow (0%)

Black (11%)



Cyan (34%)


Magenta (44%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.2169, 0.2648, 0.2216 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 33.2169, 0.2648, 0.2216 by changing the saturation by 10% instead.


 33.2169, 0.2648,
0.2216


 33.2169, 0.2648,
0.2216


316.6260, 0.2905,
0.2737


 22.2927, 0.2580,
0.2093


 64.7140, 0.2744,
0.2400

 14.0721, 0.2492,
0.1940


 86.0557, 0.2780,
0.2471

 8.1708, 0.2373,
0.1746


 111.6386, 0.2809,
0.2532

 4.2045, 0.2205,
0.1494

141.8472, 0.2834,
0.2584

 1.7886, 0.1957,
0.1162

177.0658, 0.2855,
0.2630

 0.4800, 0.1585,
0.0656

217.6789, 0.2874,


 0.0000, 0.0279,


0.2670


0.0000

264.0708, 0.2890,
0.2705


 0.0000, 0.0000,
0.0000

 33.2169, 0.2648,
0.2216


 33.2169, 0.2648,
0.2216


 25.5132, 0.2485,
0.1892


 42.5076, 0.2798,
0.2532


 19.3011, 0.2313,
0.1575


 53.4654, 0.2933,
0.2830


 14.4808, 0.2142,
0.1283

 66.1695, 0.3050,
0.3103

 10.9383, 0.1980,
0.1037

 80.6930, 0.3152,
0.3351

 8.5404, 0.1838,
0.0851

 96.7946, 0.3238,
0.3566

■ 7.1114, 0.1724,
0.0733

■ 98.3256, 0.3292,
0.3562

■ 6.8322, 0.1699,
0.0709

Harmonies

Analogous

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



33.2169, 0.2117, 0.2153



33.2169, 0.2648, 0.2216



33.2169, 0.3385, 0.2495

Triad

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



33.2169, 0.2648, 0.2216



33.2169, 0.4557, 0.4031



33.2169, 0.2174, 0.3582

Complementary

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



33.2169, 0.2648, 0.2216



69.2953, 0.3489, 0.4285

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.



33.2169, 0.2752, 0.4337



33.2169, 0.2648, 0.2216



33.2169, 0.4134, 0.4502

Square

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



33.2169, 0.2648, 0.2216



33.2169, 0.4574, 0.3476



33.2169, 0.3471, 0.4678



33.2169, 0.1868, 0.2830

Rectangle

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



33.2169, 0.2648, 0.2216



33.2169, 0.3897, 0.2777



33.2169, 0.3471, 0.4678



33.2169, 0.2341, 0.3855

Sweetspot

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



33.2182, 0.2648, 0.2216



79.8865, 0.3010, 0.3007



53.2982, 0.2559, 0.2964



16.6113, 0.2994, 0.2970



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.



33.2182, 0.2648, 0.2216



35.2125, 0.2521, 0.1962



38.5888, 0.3016, 0.2322



14.1003, 0.3028, 0.3050



4.0387, 0.1712, 0.0717



0.3460, 0.1869, 0.0803

Inverse Universe

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



39.8864, 0.3414, 0.2625



45.2474, 0.3496, 0.2489



64.2566, 0.3185, 0.4388



14.5360, 0.3185, 0.3128



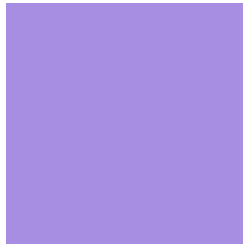
10.9740, 0.4168, 0.2070



0.8273, 0.3994, 0.1974

Previews

White Background



This preview shows how the Yxy color 33.2169, 0.2648, 0.2216 looks on a white background.

Color Contrast Check

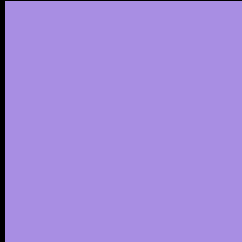
Large Text (above 18pt) WCAG AA × Fail

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 33.2169, 0.2648, 0.2216 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

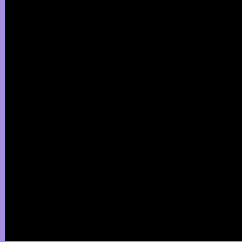
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.2169, 0.2648, 0.2216

Background



This preview shows how black text looks on a background with the Yxy color 33.2169, 0.2648, 0.2216.



This preview shows how white text looks on a background with the Yxy color 33.2169, 0.2648, 0.2216.

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

33.2169, 0.2648, 0.2216

Protanopia

33.3506, 0.2313, 0.2186

Deuteranopia

33.4916, 0.2395, 0.2344



Tritanopia

33.4008, 0.3039, 0.3113

Trichromacy



Original Color

33.2169, 0.2648, 0.2216

Protanomaly

33.1289, 0.2420, 0.2190

Deuteranomaly

33.0886, 0.2477, 0.2288

Tritanomaly

33.0639, 0.2886, 0.2743

Monochromacy



Original Color

33.2169, 0.2648, 0.2216

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

33.9245, 0.2938, 0.2853

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.2169, 0.2648, 0.2216 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(168, 142, 227)` looks like.

```
.text, #text, p{  
    color:rgb(168, 142, 227)  
}
```

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(168, 142, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 142, 227) }
```

Border

The CSS property to change the border of an element to Yxy 33.2169, 0.2648, 0.2216 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(168, 142, 227) }
```

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

```
.border{ border-color:rgb(168, 142, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 142, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 142, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 142, 227);  
box-shadow:4px 4px 4px 4px rgb(168, 142,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 33.2169, 0.2648, 0.2216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 142, 227) }
```

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

```
.background{ background-color: rgb(168,  
142, 227) }
```

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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