

Converting Colors

$Y_{xy}(30.9388, 0.2666, 0.2197)$

Have a look what the booklet for
Yxy(30.9388, 0.2666, 0.2197)
contains.

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Color

Yxy(30.9358, 0.2667, 0.2195)

Conversions

Conversions Part 1

Format	Color
Hex	A688DD
RGB	166, 136, 221
RGB Percent	65%, 53%, 87%
CMY	0.3489, 0.4667, 0.1332
CMYK	0.25, 0.38, 0.00, 0.13
HSL	261°, 56%, 70%
HSV	261°, 38%, 87%
XYZ	37.5881, 30.9358, 72.4137
YIQ	154.6600, -9.4050, 32.7950

Conversions

Conversions Part 2

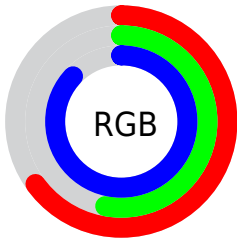
Format	Color
RYB	166, 136, 221
Decimal	10914013
CIELab	62.45, 28.85, -39.31
CIELCh	62, 48.759, 306.270
Yxy	30.9358, 0.2667, 0.2195
Android (android.graphics.Color)	4289104093 (0xFFA688DD)
YUV	154.6600, 32.7056, 9.9452
Hunter-Lab	55.6200, 23.2956, -38.2579

Details

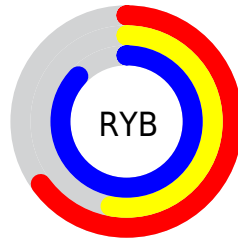
The Yxy color **30.9358, 0.2667, 0.2195** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **64.5776, 0.3467, 0.4323**, and the grayscale version is **32.4783, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.5765, 0.2911, 0.2604**, and **12.8169, 0.2515, 0.1919** is the 20% darker color. If you saturate the color by 10%, you get **23.8806, 0.2513, 0.1878**, and if you desaturate by 10%, it is **39.4487, 0.2809, 0.2507**.

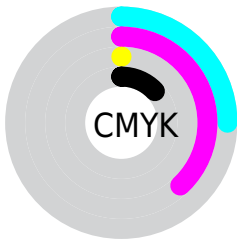
Distribution



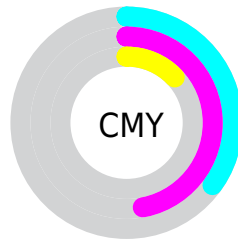
- Red (65%)
- Green (53%)
- Blue (87%)



- Red (65%)
- Yellow (53%)
- Blue (87%)



- Cyan (25%)
- Magenta (38%)
- Yellow (0%)
- Black (13%)





- Cyan (35%)
- Magenta (47%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.9358, 0.2667, 0.2195 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 30.9358, 0.2667, 0.2195 by changing the saturation by 10% instead.

 30.9358, 0.2667,
0.2195


 30.9358, 0.2667,
0.2195


306.2424, 0.2917,
0.2731

 20.5500, 0.2600,
0.2067


 61.1390, 0.2762,
0.2386

 12.7954, 0.2511,
0.1908

 81.7251, 0.2797,
0.2458

 7.2878, 0.2390,
0.1705


 106.4801, 0.2825,
0.2521

 3.6428, 0.2217,
0.1441

135.7885, 0.2849,
0.2574

 1.4758, 0.1956,
0.1092

170.0344, 0.2870,
0.2621

 0.2716, 0.1577,
0.0443

209.6025, 0.2888,

 0.0000, 0.0000,

0.2662

0.0000

254.8770, 0.2904,
0.2698

■ 30.9358, 0.2667,
0.2195

■ 30.9358, 0.2667,
0.2195

■ 23.8806, 0.2513,
0.1878

■ 39.4487, 0.2809,
0.2507

■ 18.1943, 0.2350,
0.1569

■ 49.4937, 0.2935,
0.2803

■ 13.7841, 0.2187,
0.1288

■ 61.1443, 0.3046,
0.3077

■ 10.5433, 0.2032,
0.1051

■ 74.4682, 0.3141,
0.3326

■ 8.3469, 0.1894,
0.0874

■ 89.5292, 0.3222,
0.3550

■ 7.0121, 0.1778,
0.0759

■ 97.3990, 0.3306,
0.3623

■ 6.8450, 0.1762,
0.0745

■ 98.0018, 0.3327,
0.3621

Harmonies

Analogous

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



30.9358, 0.2108, 0.2116



30.9358, 0.2667, 0.2195



30.9358, 0.3435, 0.2492

Triad

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



30.9358, 0.2667, 0.2195



30.9358, 0.4589, 0.4076



30.9358, 0.2119, 0.3546

Complementary

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



30.9358, 0.2667, 0.2195



64.5776, 0.3467, 0.4323

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.



30.9358, 0.2700, 0.4344



30.9358, 0.2667, 0.2195



30.9358, 0.4131, 0.4558

Square

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



30.9358, 0.2667, 0.2195



30.9358, 0.4635, 0.3506



30.9358, 0.3437, 0.4726



30.9358, 0.1822, 0.2777

Rectangle

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



30.9358, 0.2667, 0.2195



30.9358, 0.3963, 0.2786



30.9358, 0.3437, 0.4726



30.9358, 0.2285, 0.3831

Sweetspot

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



30.9370, 0.2667, 0.2195



78.4446, 0.3007, 0.2981



47.8311, 0.2536, 0.2896



16.3318, 0.2993, 0.2945



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.



30.9370, 0.2667, 0.2195



34.9113, 0.2546, 0.1944



36.2758, 0.3052, 0.2309



12.8398, 0.3036, 0.3052



4.0330, 0.1777, 0.0753



0.3085, 0.1961, 0.0854

Inverse Universe

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



36.7419, 0.3465, 0.2651



44.1836, 0.3561, 0.2523



59.8689, 0.3157, 0.4431



13.1927, 0.3191, 0.3140



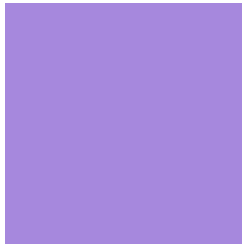
10.1029, 0.4346, 0.2168



0.6707, 0.4113, 0.2039

Previews

White Background



This preview shows how the Yxy color 30.9358, 0.2667, 0.2195 looks on a white background.

Color Contrast Check

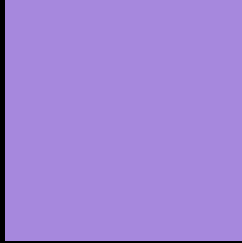
Large Text (above 18pt) WCAG AA × Fail

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 30.9358, 0.2667, 0.2195 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

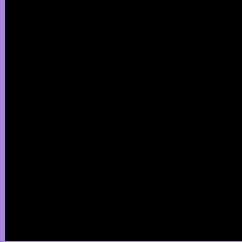
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.9358, 0.2667, 0.2195

Background



This preview shows how black text looks on a background with the Yxy color 30.9358, 0.2667, 0.2195.



This preview shows how white text looks on a background with the Yxy color 30.9358, 0.2667, 0.2195.

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

30.9358, 0.2667, 0.2195

Protanopia

31.0143, 0.2288, 0.2157

Deuteranopia

31.1597, 0.2384, 0.2331



Tritanopia

31.0015, 0.3084, 0.3124

Trichromacy



Original Color

30.9358, 0.2667, 0.2195

Protanomaly

30.8109, 0.2409, 0.2173

Deuteranomaly

30.8542, 0.2475, 0.2275

Tritanomaly

30.6948, 0.2924, 0.2744

Monochromacy



Original Color

30.9358, 0.2667, 0.2195

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

31.8054, 0.2952, 0.2843

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.9358, 0.2667, 0.2195 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(166, 136, 221)` looks like.

```
.text, #text, p{  
    color:rgb(166, 136, 221)  
}
```

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(166, 136, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 136, 221) }
```

Border

The CSS property to change the border of an element to Yxy 30.9358, 0.2667, 0.2195 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(166, 136, 221) }
```

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

```
.border{ border-color:rgb(166, 136, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 136, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 136, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 136, 221);  
box-shadow:4px 4px 4px 4px rgb(166, 136,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 30.9358, 0.2667, 0.2195 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 136, 221) }
```

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

```
.background{ background-color: rgb(166,  
136, 221) }
```

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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