

Converting Colors

$Yxy(33.1751, 0.2407, 0.2223)$

Have a look what the booklet for
Yxy(33.1751, 0.2407, 0.2223)
contains.

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Color

Yxy(33.3060, 0.2408, 0.2229)

Conversions

Conversions Part 1

Format	Color
Hex	8A97E7
RGB	138, 151, 231
RGB Percent	54%, 59%, 91%
CMY	0.4585, 0.4079, 0.0941
CMYK	0.40, 0.35, 0.00, 0.09
HSL	232°, 66%, 72%
HSV	232°, 40%, 91%
XYZ	35.9806, 33.3060, 80.1346
YIQ	156.2330, -33.4280, 22.1240

Conversions

Conversions Part 2

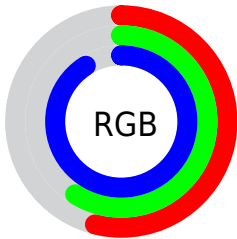
Format	Color
R _Y B	138, 149, 231
Decimal	9082855
CIE Lab	64.41, 15.11, -41.94
CIE LCh	64, 44.577, 289.817
Yxy	33.3060, 0.2408, 0.2229
Android (android.graphics.Color)	4287272935 (0xFF8A97E7)
YUV	156.2330, 36.8601, -15.9903
Hunter-Lab	57.7114, 10.2925, -41.9287

Details

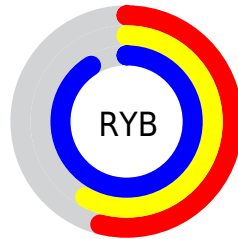
The Yxy color **33.3060, 0.2408, 0.2229** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **69.0186, 0.3779, 0.4164**, and the grayscale version is **33.2044, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.3520, 0.2727, 0.2737**, and **14.0485, 0.2193, 0.1942** is the 20% darker color. If you saturate the color by 10%, you get **25.6700, 0.2206, 0.1912**, and if you desaturate by 10%, it is **42.4436, 0.2607, 0.2532**.

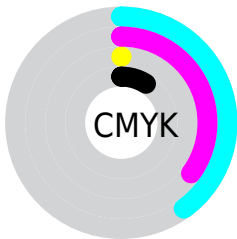
Distribution



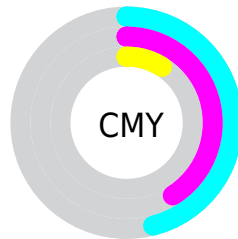
- Red (54%)
- Green (59%)
- Blue (91%)



- Red (54%)
- Yellow (58%)
- Blue (91%)



- Cyan (40%)
- Magenta (35%)
- Yellow (0%)
- Black (9%)





- Cyan (46%)
- Magenta (41%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.3060, 0.2408, 0.2229 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 33.3060, 0.2408, 0.2229 by changing the saturation by 10% instead.

 33.3060, 0.2408,
0.2229


 33.3060, 0.2408,
0.2229


 317.0263, 0.2779,
0.2751


 22.3610, 0.2314,
0.2105


 64.8530, 0.2544,
0.2415


 14.1224, 0.2194,
0.1949


 86.2237, 0.2595,
0.2486

 8.2058, 0.2036,
0.1751


 111.8385, 0.2638,
0.2547

 4.2269, 0.1822,
0.1493

 142.0816, 0.2675,
0.2599

 1.8013, 0.1521,
0.1154

 177.3376, 0.2706,
0.2644

 0.4880, 0.1101,
0.0645

 217.9908, 0.2734,

 0.0000, 0.0000,

0.2684

0.0000

264.4256, 0.2758,
0.2719

■ 33.3060, 0.2408,
0.2229

■ 33.3060, 0.2408,
0.2229

■ 25.6700, 0.2206,
0.1912

■ 42.4436, 0.2607,
0.2532

■ 19.4511, 0.2010,
0.1594

■ 53.1541, 0.2795,
0.2811

■ 14.5616, 0.1833,
0.1294

■ 65.5083, 0.2968,
0.3063

■ 10.9026, 0.1689,
0.1034

■ 79.5719, 0.3124,
0.3285

■ 8.3606, 0.1586,
0.0830

■ 95.4068, 0.3263,
0.3480

■ 6.8073, 0.1527,
0.0695

■ 98.5496, 0.3268,
0.3522

Harmonies

Analogous

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



33.3060, 0.2029, 0.2288



33.3060, 0.2408, 0.2229



33.3060, 0.3015, 0.2395

Triad

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



33.3060, 0.2408, 0.2229



33.3060, 0.4514, 0.3739



33.3060, 0.2487, 0.3927

Complementary

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



33.3060, 0.2408, 0.2229



69.0186, 0.3779, 0.4164

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.



33.3060, 0.3113, 0.4466



33.3060, 0.2408, 0.2229



33.3060, 0.4300, 0.4229

Square

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



33.3060, 0.2408, 0.2229



33.3060, 0.4307, 0.3216



33.3060, 0.3778, 0.4543



33.3060, 0.2062, 0.3194

Rectangle

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



33.3060, 0.2408, 0.2229



33.3060, 0.3493, 0.2610



33.3060, 0.3778, 0.4543



33.3060, 0.2680, 0.4147

Sweetspot

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



33.3072, 0.2408, 0.2229



78.9765, 0.2937, 0.3019



67.5759, 0.2644, 0.3462



16.4549, 0.2915, 0.2987



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.



33.3072, 0.2408, 0.2229



33.8596, 0.2245, 0.1975



32.5816, 0.2637, 0.2135



14.2084, 0.2980, 0.3081



3.9209, 0.1531, 0.0712



0.3928, 0.1591, 0.0927

Inverse Universe

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



37.4219, 0.4002, 0.3144



40.1149, 0.4277, 0.3117



71.0611, 0.3483, 0.4374



14.4004, 0.3271, 0.3258



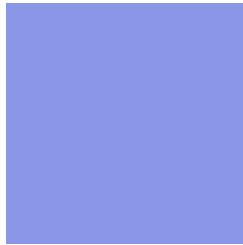
9.5935, 0.6212, 0.3196



0.7193, 0.5871, 0.3008

Previews

White Background



This preview shows how the Yxy color 33.3060, 0.2408, 0.2229 looks on a white background.

Color Contrast Check

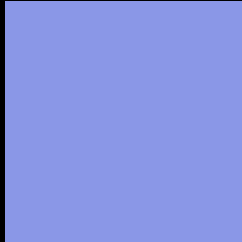
Large Text (above 18pt) WCAG AA × Fail

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 33.3060, 0.2408, 0.2229 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

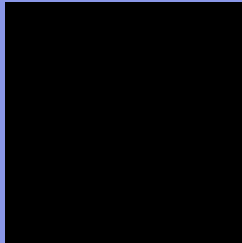
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.3060, 0.2408, 0.2229

Background



This preview shows how black text looks on a background with the Yxy color 33.3060, 0.2408, 0.2229.



This preview shows how white text looks on a background with the Yxy color 33.3060, 0.2408, 0.2229.

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

33.3060, 0.2408, 0.2229

Protanopia

33.3328, 0.2341, 0.2220

Deuteranopia

33.4409, 0.2330, 0.2271



Tritanopia

33.2209, 0.2692, 0.3086

Trichromacy



Original Color

33.3060, 0.2408, 0.2229

Protanomaly

33.1882, 0.2364, 0.2222

Deuteranomaly

33.4915, 0.2360, 0.2265

Tritanomaly

33.0610, 0.2582, 0.2742

Monochromacy



Original Color

33.3060, 0.2408, 0.2229

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

32.9197, 0.2829, 0.2866

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.3060, 0.2408, 0.2229 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(138, 151, 231)` looks like.

```
.text, #text, p{  
    color:rgb(138, 151, 231)  
}
```

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(138, 151, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 151, 231) }
```

Border

The CSS property to change the border of an element to Yxy 33.3060, 0.2408, 0.2229 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(138, 151, 231) }
```

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

```
.border{ border-color:rgb(138, 151, 231) }
```

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

Here you see how a box with a 4 pixel rgb(138, 151, 231) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 151, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 151, 231);  
box-shadow:4px 4px 4px 4px rgb(138, 151,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 33.3060, 0.2408, 0.2229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 151, 231) }
```

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

```
.background{ background-color: rgb(138,  
151, 231) }
```

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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