

Converting Colors

$Y_{xy}(21.1933, 0.2669, 0.2368)$

Have a look what the booklet for
Yxy(21.1933, 0.2669, 0.2368)
contains.

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Color

Yxy(21.1933, 0.2669, 0.2368)

Conversions

Conversions Part 1

Format	Color
Hex	8377B1
RGB	131, 119, 177
RGB Percent	51%, 47%, 69%
CMY	0.4864, 0.5333, 0.3059
CMYK	0.26, 0.33, 0.00, 0.31
HSL	252°, 27%, 58%
HSV	252°, 33%, 69%
XYZ	23.8872, 21.1933, 44.4182
YIQ	129.2000, -11.4660, 20.5820

Conversions

Conversions Part 2

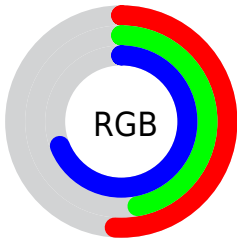
Format	Color
R_{YB}	131, 119, 177
Decimal	8615857
CIE _{Lab}	53.16, 17.43, -29.09
CIE _{LCh}	53, 33.910, 300.928
Yxy	21.1933, 0.2669, 0.2368
Android (android.graphics.Color)	4286805937 (0xFF8377B1)
YUV	129.2000, 23.5654, 1.5786
Hunter-Lab	46.0362, 12.0566, -24.9809

Details

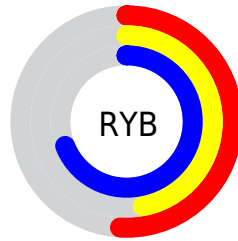
The Yxy color $21.1933, 0.2669, 0.2368$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $40.7738, 0.3498, 0.4125$, and the grayscale version is $21.9447, 0.3127, 0.3290$.

A 20% lighter version of the original color is $45.3233, 0.2771, 0.2548$, and $7.6672, 0.2491, 0.2076$ is the 20% darker color. If you saturate the color by 10%, you get $16.3192, 0.2495, 0.2041$, and if you desaturate by 10%, it is $27.0057, 0.2829, 0.2679$.

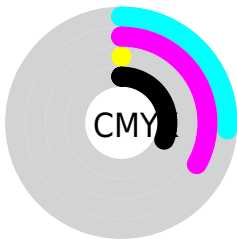
Distribution



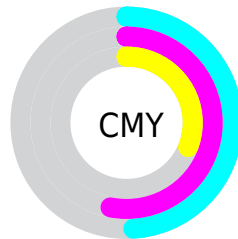
- Red (51%)
- Green (47%)
- Blue (69%)



- Red (51%)
- Yellow (47%)
- Blue (69%)



- Cyan (26%)
- Magenta (33%)
- Yellow (0%)
- Black (31%)



- Cyan (49%)
- Magenta (53%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.1933, 0.2669, 0.2368 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 21.1933, 0.2669, 0.2368 by changing the saturation by 10% instead.

■ 21.1933, 0.2669,
0.2368

■ 21.1933, 0.2669,
0.2368

■ 258.3040, 0.2930,
0.2859

■ 13.2654, 0.2593,
0.2237

■ 45.4090, 0.2772,
0.2553

■ 7.6115, 0.2488,
0.2065

■ 62.4656, 0.2808,
0.2621

■ 3.8474, 0.2335,
0.1830

■ 83.3338, 0.2838,
0.2677

■ 1.5886, 0.2099,
0.1496

■ 108.3982, 0.2862,
0.2724

■ 0.3499, 0.1734,
0.0800

■ 138.0429, 0.2883,
0.2765

■ 0.0000, 0.0000,
0.0000

172.6526, 0.2901,

0.2801

212.6115, 0.2916,
0.2832

■ 21.1933, 0.2669,
0.2368

■ 21.1933, 0.2669,
0.2368

■ 16.3192, 0.2495,
0.2041

■ 27.0057, 0.2829,
0.2679

■ 12.3312, 0.2311,
0.1711

■ 33.7998, 0.2971,
0.2965

■ 9.1757, 0.2125,
0.1395

■ 41.6195, 0.3096,
0.3224

■ 6.7923, 0.1950,
0.1114

■ 50.5050, 0.3204,
0.3454

■ 5.1121, 0.1796,
0.0890

■ 60.4947, 0.3296,
0.3657

■ 4.0535, 0.1674,
0.0735

■ 71.6248, 0.3375,
0.3836

■ 3.5574, 0.1606,
0.0658

■ 83.9298, 0.3442,
0.3991

■ 93.8143, 0.3512,
0.4078

■ 95.9537, 0.3591,
0.4057

Harmonies

Analogous

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



21.1933, 0.2242, 0.2346



21.1933, 0.2669, 0.2368



21.1933, 0.3265, 0.2585

Triad

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



21.1933, 0.2669, 0.2368



21.1933, 0.4331, 0.3878



21.1933, 0.2392, 0.3616

Complementary

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



21.1933, 0.2669, 0.2368



40.7738, 0.3498, 0.4125

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.



21.1933, 0.2903, 0.4182



21.1933, 0.2669, 0.2368



21.1933, 0.4032, 0.4266

Square

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



21.1933, 0.2669, 0.2368



21.1933, 0.4283, 0.3408



21.1933, 0.3504, 0.4417



21.1933, 0.2093, 0.2996

Rectangle

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



21.1933, 0.2669, 0.2368



21.1933, 0.3685, 0.2817



21.1933, 0.3504, 0.4417



21.1933, 0.2544, 0.3826

Sweetspot

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



21.1941, 0.2669, 0.2368



63.9833, 0.3005, 0.3035



34.1485, 0.2646, 0.3108



13.4677, 0.2987, 0.2998



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



21.1941, 0.2669, 0.2368



31.7539, 0.2550, 0.2143



23.8035, 0.2972, 0.2444



8.3117, 0.3016, 0.3057



2.5996, 0.1614, 0.0663



0.1063, 0.1885, 0.0812

Inverse Universe

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



25.2611, 0.3297, 0.2642



40.2008, 0.3342, 0.2506



38.0389, 0.3232, 0.4200



8.6161, 0.3168, 0.3111



8.1642, 0.3801, 0.1867



0.2645, 0.3607, 0.1761

Previews

White Background



This preview shows how the Yxy color 21.1933, 0.2669, 0.2368 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 21.1933, 0.2669, 0.2368 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

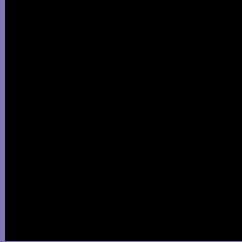
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.1933, 0.2669, 0.2368

Background



This preview shows how black text looks on a background with the Yxy color 21.1933, 0.2669, 0.2368.



This preview shows how white text looks on a background with the Yxy color 21.1933, 0.2669, 0.2368.

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

21.1933, 0.2669, 0.2368

Protanopia

21.2958, 0.2438, 0.2351

Deuteranopia

21.1813, 0.2499, 0.2437



Tritanopia

21.1958, 0.2974, 0.3110

Trichromacy



Original Color

21.1933, 0.2669, 0.2368

Protanomaly

21.2431, 0.2518, 0.2361

Deuteranomaly

21.1521, 0.2558, 0.2417

Tritanomaly

21.1179, 0.2855, 0.2806

Monochromacy



Original Color

21.1933, 0.2669, 0.2368

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

21.4884, 0.2960, 0.2927

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.1933, 0.2669, 0.2368 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(131, 119, 177)` looks like.

```
.text, #text, p{  
    color:rgb(131, 119, 177)  
}
```

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(131, 119, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 119, 177) }
```

Border

The CSS property to change the border of an element to Yxy 21.1933, 0.2669, 0.2368 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(131, 119, 177) }
```

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

```
.border{ border-color:rgb(131, 119, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 119, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 119, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 119, 177);  
box-shadow:4px 4px 4px 4px rgb(131, 119,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 21.1933, 0.2669, 0.2368 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 119, 177) }
```

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

```
.background{ background-color: rgb(131,  
119, 177) }
```

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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