

Converting Colors

$Y_{xy}(17.2108, 0.2937, 0.2489)$

Have a look what the booklet for
Yxy(17.2108, 0.2937, 0.2489)
contains.

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Color

Yxy(17.1215, 0.2935, 0.2487)

Conversions

Conversions Part 1

Format	Color
Hex	856897
RGB	133, 104, 151
RGB Percent	52%, 41%, 59%
CMY	0.4785, 0.5921, 0.4079
CMYK	0.12, 0.31, 0.00, 0.41
HSL	277°, 18%, 50%
HSV	277°, 31%, 59%
XYZ	20.2057, 17.1215, 31.5168
YIQ	118.0290, 2.1970, 20.7650

Conversions

Conversions Part 2

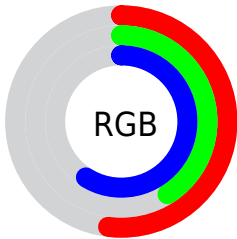
Format	Color
R_{YB}	133, 104, 151
Decimal	8743063
CIE _{Lab}	48.41, 20.77, -21.24
CIE _{LCh}	48, 29.709, 314.355
Yxy	17.1215, 0.2935, 0.2487
Android (android.graphics.Color)	4286933143 (0xFF856897)
YUV	118.0290, 16.2547, 13.1296
Hunter-Lab	41.3781, 14.7531, -16.1951

Details

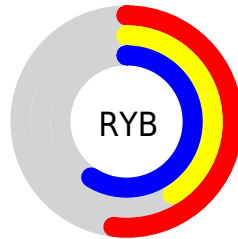
The Yxy color **17.1215, 0.2935, 0.2487** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **27.2726, 0.3268, 0.4126**, and the grayscale version is **18.0738, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.4153, 0.2991, 0.2658**, and **5.5874, 0.2842, 0.2181** is the 20% darker color. If you saturate the color by 10%, you get **13.8908, 0.2854, 0.2211**, and if you desaturate by 10%, it is **20.9240, 0.3007, 0.2759**.

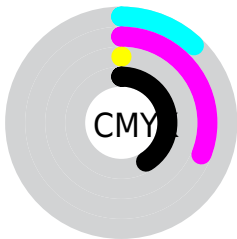
Distribution



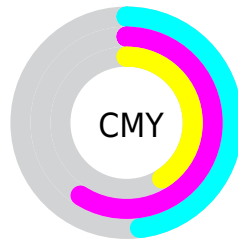
- Red (52%)
- Green (41%)
- Blue (59%)



- Red (52%)
- Yellow (41%)
- Blue (59%)



- Cyan (12%)
- Magenta (31%)
- Yellow (0%)
- Black (41%)





- Cyan (48%)
- Magenta (59%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.1215, 0.2935, 0.2487 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 17.1215, 0.2935, 0.2487 by changing the saturation by 10% instead.


 17.1215, 0.2935,
0.2487


 17.1215, 0.2935,
0.2487


235.8716, 0.3054,
0.2930


 10.3212, 0.2895,
0.2362


 38.5346, 0.2985,
0.2659


 5.6124, 0.2836,
0.2191


 53.9161, 0.3001,
0.2720

 2.6109, 0.2742,
0.1947

 72.9267, 0.3015,
0.2770

 0.9321, 0.2573,
0.1577

 95.9510, 0.3025,
0.2813

 0.0000, 0.2033,
0.0000

123.3732, 0.3034,
0.2848

 0.0000, 0.0000,
0.0000

155.5778, 0.3042,

0.2879

192.9491, 0.3048,
0.2906

■ 17.1215, 0.2935,
0.2487

■ 17.1215, 0.2935,
0.2487

■ 13.8908, 0.2854,
0.2211

■ 20.9240, 0.3007,
0.2759

■ 11.2003, 0.2763,
0.1939

■ 25.3234, 0.3069,
0.3019

■ 9.0184, 0.2667,
0.1684


■ 30.3460, 0.3122,
0.3264

■ 7.3096, 0.2566,
0.1456


■ 36.0157, 0.3166,
0.3490


■ 6.0332, 0.2464,
0.1268

■ 42.3553, 0.3203,
0.3697

 5.1418, 0.2366,
0.1127

 49.3864, 0.3233,
0.3885

 4.5653, 0.2282,
0.1031

 57.1295, 0.3258,
0.4054

 65.6045, 0.3278,
0.4206

 74.8303, 0.3294,
0.4343

Harmonies

Analogous

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



17.1215, 0.2447, 0.2380



17.1215, 0.2935, 0.2487



17.1215, 0.3526, 0.2764

Triad

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



17.1215, 0.2935, 0.2487



17.1215, 0.4173, 0.4031



17.1215, 0.2278, 0.3328

Complementary

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



17.1215, 0.2935, 0.2487



27.2726, 0.3268, 0.4126

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.



17.1215, 0.2684, 0.3913



17.1215, 0.2935, 0.2487



17.1215, 0.3780, 0.4311

Square

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



17.1215, 0.2935, 0.2487



17.1215, 0.4279, 0.3609



17.1215, 0.3232, 0.4294



17.1215, 0.2097, 0.2801

Rectangle

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



17.1215, 0.2935, 0.2487



17.1215, 0.3890, 0.3019



17.1215, 0.3232, 0.4294



17.1215, 0.2391, 0.3528

Sweetspot

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



17.1222, 0.2935, 0.2487



47.0049, 0.3080, 0.3068



19.2964, 0.2634, 0.2769



10.4195, 0.3072, 0.3034



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



17.1222, 0.2935, 0.2487



26.7195, 0.2882, 0.2304



18.5672, 0.3221, 0.2608



6.2052, 0.3080, 0.3067



3.9006, 0.2287, 0.1034



0.0791, 0.2701, 0.1262

Inverse Universe

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



17.8887, 0.3545, 0.2988



28.3760, 0.3670, 0.2921



26.1744, 0.3045, 0.4083



6.2599, 0.3226, 0.3205



5.8617, 0.5390, 0.2743



0.0944, 0.4375, 0.2184

Previews

White Background



This preview shows how the Yxy color 17.1215, 0.2935, 0.2487 looks on a white 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

Black Background



This preview shows how the Yxy color 17.1215, 0.2935, 0.2487 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

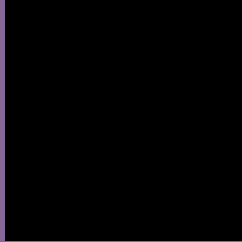
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 17.1215, 0.2935, 0.2487

Background



This preview shows how black text looks on a background with the Yxy color 17.1215, 0.2935, 0.2487.



This preview shows how white text looks on a background with the Yxy color 17.1215, 0.2935, 0.2487.

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

17.1215, 0.2935, 0.2487

Protanopia

17.3280, 0.2533, 0.2484

Deuteranopia

17.1683, 0.2674, 0.2621



Tritanopia

17.0730, 0.3256, 0.3122

Trichromacy



Original Color

17.1215, 0.2935, 0.2487

Protanomaly

17.0291, 0.2665, 0.2480

Deuteranomaly

17.1358, 0.2759, 0.2567

Tritanomaly

17.1096, 0.3134, 0.2872

Monochromacy



Original Color

17.1215, 0.2935, 0.2487

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

17.6329, 0.3053, 0.2973

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.1215, 0.2935, 0.2487 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(133, 104, 151)` looks like.

```
.text, #text, p{  
    color:rgb(133, 104, 151)  
}
```

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(133, 104, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 104, 151) }
```

Border

The CSS property to change the border of an element to Yxy 17.1215, 0.2935, 0.2487 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(133, 104, 151) }
```

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

```
.border{ border-color:rgb(133, 104, 151) }
```

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

Here you see how a box with a 4 pixel rgb(133, 104, 151) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 104, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 104, 151);  
box-shadow:4px 4px 4px 4px rgb(133, 104,  
151) }
```


Background

The CSS property to change the background color of an element to Yxy 17.1215, 0.2935, 0.2487 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 104, 151) }
```

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

```
.background{ background-color: rgb(133,  
104, 151) }
```

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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