

Converting Colors

$Y_{xy}(15.6145, 0.2803, 0.2133)$

Have a look what the booklet for
Yxy(15.6145, 0.2803, 0.2133)
contains.

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Color

Yxy(15.5774, 0.2798, 0.2132)

Conversions

Conversions Part 1

Format	Color
Hex	865DA4
RGB	134, 93, 164
RGB Percent	53%, 36%, 64%
CMY	0.4746, 0.6352, 0.3569
CMYK	0.18, 0.43, 0.00, 0.36
HSL	275°, 28%, 50%
HSV	275°, 43%, 64%
XYZ	20.4435, 15.5774, 37.0438
YIQ	113.3530, 1.6450, 30.7730

Conversions

Conversions Part 2

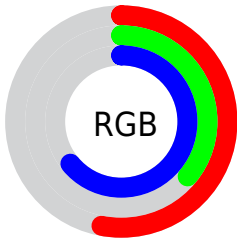
Format	Color
RYB	134, 93, 164
Decimal	8805796
CIELab	46.42, 30.55, -32.01
CIELCh	46, 44.245, 313.662
Yxy	15.5774, 0.2798, 0.2132
Android (android.graphics.Color)	4286995876 (0xFF865DA4)
YUV	113.3530, 24.9690, 18.1074
Hunter-Lab	39.4682, 23.3890, -28.0203

Details

The Yxy color **15.5774, 0.2798, 0.2132** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **31.5482, 0.3337, 0.4495**, and the grayscale version is **16.5482, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.7524, 0.2883, 0.2370**, and **4.8405, 0.2617, 0.1725** is the 20% darker color. If you saturate the color by 10%, you get **12.4500, 0.2695, 0.1855**, and if you desaturate by 10%, it is **19.3607, 0.2892, 0.2415**.

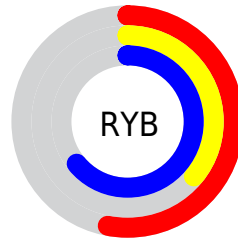
Distribution



Red (53%)

Green (36%)

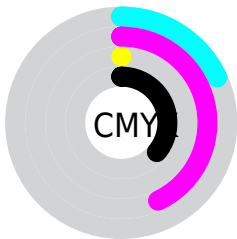
Blue (64%)



Red (53%)

Yellow (36%)

Blue (64%)

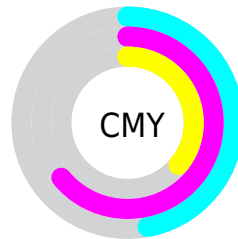


Cyan (18%)

Magenta (43%)

Yellow (0%)

Black (36%)



Cyan (47%)


Magenta (64%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 15.5774, 0.2798, 0.2132 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 15.5774, 0.2798, 0.2132 by changing the saturation by 10% instead.


 15.5774, 0.2798,
0.2132


 15.5774, 0.2798,
0.2132


226.8350, 0.3004,
0.2758


 9.2256, 0.2729,
0.1963


 35.8630, 0.2885,
0.2370


 4.8886, 0.2629,
0.1740


 50.5656, 0.2913,
0.2456

 2.1821, 0.2473,
0.1438

 68.8205, 0.2936,
0.2527

 0.7102, 0.2210,
0.1004

 91.0123, 0.2955,
0.2588

 0.0000, 0.1509,
0.0000

117.5252, 0.2970,
0.2640

 0.0000, 0.0000,
0.0000

148.7437, 0.2983,

0.2684

185.0521, 0.2994,
0.2723

■ 15.5774, 0.2798,
0.2132

■ 15.5774, 0.2798,
0.2132

■ 12.4500, 0.2695,
0.1855

■ 19.3607, 0.2892,
0.2415

■ 9.9360, 0.2586,
0.1597

■ 23.8350, 0.2975,
0.2694

■ 7.9909, 0.2474,
0.1370

■ 29.0351, 0.3047,
0.2961

■ 6.5630, 0.2363,
0.1186

■ 34.9928, 0.3109,
0.3212

■ 5.5906, 0.2258,
0.1052

■ 41.7381, 0.3161,
0.3444

■ 5.0948, 0.2190,
0.0980

■ 49.2992, 0.3205,
0.3655

■ 57.7030, 0.3241,
0.3847

■ 66.9751, 0.3271,
0.4019

■ 77.1400, 0.3295,
0.4173

Harmonies

Analogous

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



15.5774, 0.2110, 0.1980



15.5774, 0.2798, 0.2132



15.5774, 0.3700, 0.2508

Triad

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



15.5774, 0.2798, 0.2132



15.5774, 0.4672, 0.4291



15.5774, 0.1878, 0.3332

Complementary

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



15.5774, 0.2798, 0.2132



31.5482, 0.3337, 0.4495

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.



15.5774, 0.2446, 0.4309



15.5774, 0.2798, 0.2132



15.5774, 0.4058, 0.4808

Square

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



15.5774, 0.2798, 0.2132



15.5774, 0.4875, 0.3661



15.5774, 0.3246, 0.4903



15.5774, 0.1644, 0.2529

Rectangle

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



15.5774, 0.2798, 0.2132



15.5774, 0.4278, 0.2853



15.5774, 0.3246, 0.4903



15.5774, 0.2032, 0.3660

Sweetspot

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



15.5780, 0.2798, 0.2132



52.7489, 0.3047, 0.2962



19.3650, 0.2432, 0.2560



11.0710, 0.3033, 0.2907



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



15.5780, 0.2798, 0.2132



22.7573, 0.2699, 0.1864



18.2341, 0.3235, 0.2313



7.0523, 0.3073, 0.3064



3.9357, 0.2199, 0.0985



0.1097, 0.2572, 0.1191

Inverse Universe

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



17.1526, 0.3749, 0.2821



26.1890, 0.3964, 0.2723



29.7505, 0.3031, 0.4514



7.1333, 0.3222, 0.3195



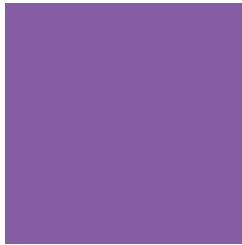
6.3933, 0.5240, 0.2660



0.1437, 0.4357, 0.2174

Previews

White Background



This preview shows how the Yxy color 15.5774, 0.2798, 0.2132 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 15.5774, 0.2798, 0.2132 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

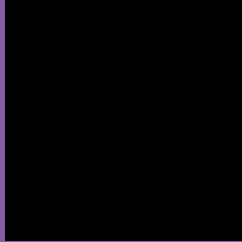
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.5774, 0.2798, 0.2132

Background



This preview shows how black text looks on a background with the Yxy color 15.5774, 0.2798, 0.2132.



This preview shows how white text looks on a background with the Yxy color 15.5774, 0.2798, 0.2132.

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

15.5774, 0.2798, 0.2132

Protanopia

15.7843, 0.2217, 0.2064

Deuteranopia

15.6343, 0.2372, 0.2315



Tritanopia

15.5285, 0.3319, 0.3117

Trichromacy



Original Color

15.5774, 0.2798, 0.2132

Protanomaly

15.5038, 0.2390, 0.2085

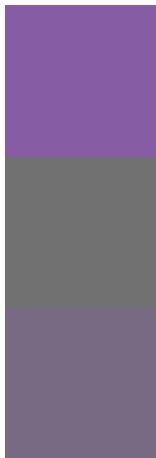
Deuteranomaly

15.3124, 0.2502, 0.2228

Tritanomaly

15.4474, 0.3113, 0.2705

Monochromacy



Original Color

15.5774, 0.2798, 0.2132

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

16.0390, 0.3004, 0.2801

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.5774, 0.2798, 0.2132 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(134, 93, 164)` looks like.

```
.text, #text, p{  
    color:rgb(134, 93, 164)  
}
```

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(134, 93, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 93, 164) }
```

Border

The CSS property to change the border of an element to Yxy 15.5774, 0.2798, 0.2132 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(134, 93, 164) }
```

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

```
.border{ border-color:rgb(134, 93, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 93, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(134, 93, 164); -webkit-box-shadow:4px 4px 4px 4px rgb(134, 93, 164); box-shadow:4px 4px 4px 4px rgb(134, 93, 164) }
```


Background

The CSS property to change the background color of an element to Yxy 15.5774, 0.2798, 0.2132 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 93, 164) }
```

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

```
.background{ background-color: rgb(134, 93,  
164) }
```

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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