

Converting Colors

$Y_{xy}(17.7934, 0.2588, 0.1978)$

Have a look what the booklet for
Yxy(17.7934, 0.2588, 0.1978)
contains.

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Color

Yxy(17.7278, 0.2594, 0.1978)

Conversions

Conversions Part 1

Format	Color
Hex	8664BA
RGB	134, 100, 186
RGB Percent	53%, 39%, 73%
CMY	0.4746, 0.6078, 0.2706
CMYK	0.28, 0.46, 0.00, 0.27
HSL	264°, 38%, 56%
HSV	264°, 46%, 73%
XYZ	23.2487, 17.7278, 48.6484
YIQ	119.9700, -7.3420, 33.9540

Conversions

Conversions Part 2

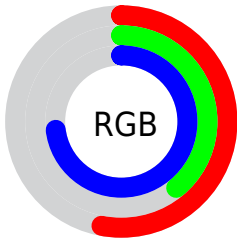
Format	Color
RYB	134, 100, 186
Decimal	8807610
CIELab	49.16, 31.82, -40.54
CIELCh	49, 51.538, 308.122
Yxy	17.7278, 0.2594, 0.1978
Android (android.graphics.Color)	4286997690 (0xFF8664BA)
YUV	119.9700, 32.5528, 12.3043
Hunter-Lab	42.1044, 24.8793, -39.0319

Details

The Yxy color **17.7278, 0.2594, 0.1978** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **42.7146, 0.3487, 0.4539**, and the grayscale version is **18.6683, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.7464, 0.2718, 0.2232**, and **5.8713, 0.2365, 0.1580** is the 20% darker color. If you saturate the color by 10%, you get **13.6824, 0.2444, 0.1675**, and if you desaturate by 10%, it is **22.6874, 0.2734, 0.2287**.

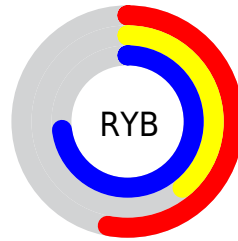
Distribution



Red (53%)

Green (39%)

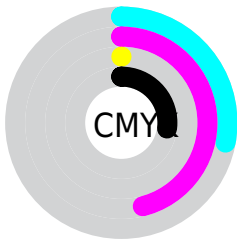
Blue (73%)



Red (53%)

Yellow (39%)

Blue (73%)

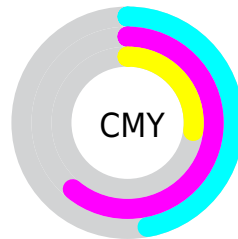


Cyan (28%)

Magenta (46%)

Yellow (0%)

Black (27%)



Cyan (47%)

Magenta (61%)


Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.7278, 0.2594, 0.1978 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 17.7278, 0.2594, 0.1978 by changing the saturation by 10% instead.


 17.7278, 0.2594,
0.1978


 17.7278, 0.2594,
0.1978


239.3323, 0.2910,
0.2663


 10.7547, 0.2499,
0.1804


 39.5730, 0.2721,
0.2231


 5.9022, 0.2366,
0.1581


 55.2138, 0.2765,
0.2325

 2.7857, 0.2174,
0.1291

 74.5128, 0.2801,
0.2404

 1.0209, 0.1880,
0.0914

 97.8542, 0.2830,
0.2471

 0.0000, 0.1457,
0.0000

125.6224, 0.2855,
0.2529

 0.0000, 0.0000,
0.0000

158.2020, 0.2876,

0.2580

195.9771, 0.2894,
0.2624

■ 17.7278, 0.2594,
0.1978

■ 17.7278, 0.2594,
0.1978

■ 13.6824, 0.2444,
0.1675

■ 22.6874, 0.2734,
0.2287

■ 10.4899, 0.2290,
0.1393

■ 28.6129, 0.2862,
0.2588

■ 8.0846, 0.2139,
0.1149

■ 35.5545, 0.2975,
0.2873

■ 6.3894, 0.2000,
0.0958

■ 43.5583, 0.3073,
0.3137

■ 5.3053, 0.1878,
0.0826

■ 52.6675, 0.3157,
0.3378

■ 4.9803, 0.1836,
0.0785

■ 62.9229, 0.3229,
0.3594

■ 74.3630, 0.3289,
0.3787

■ 87.0248, 0.3340,
0.3959

■ 92.7691, 0.3405,
0.4000

Harmonies

Analogous

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



17.7278, 0.1910, 0.1861



17.7278, 0.2594, 0.1978



17.7278, 0.3566, 0.2341

Triad

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



17.7278, 0.2594, 0.1978



17.7278, 0.4900, 0.4228



17.7278, 0.1837, 0.3527

Complementary

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



17.7278, 0.2594, 0.1978



42.7146, 0.3487, 0.4539

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.



17.7278, 0.2510, 0.4622



17.7278, 0.2594, 0.1978



17.7278, 0.4274, 0.4865

Square

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



17.7278, 0.2594, 0.1978



17.7278, 0.5041, 0.3539



17.7278, 0.3404, 0.5136



17.7278, 0.1528, 0.2567

Rectangle

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



17.7278, 0.2594, 0.1978



17.7278, 0.4241, 0.2693



17.7278, 0.3404, 0.5136



17.7278, 0.2023, 0.3909

Sweetspot

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



17.7285, 0.2594, 0.1978



67.1887, 0.2996, 0.2928



29.0492, 0.2424, 0.2759



14.1408, 0.2973, 0.2869



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



17.7285, 0.2594, 0.1978



25.0105, 0.2449, 0.1684



21.8877, 0.3063, 0.2141



8.8879, 0.3044, 0.3058



3.3916, 0.1849, 0.0792



0.1558, 0.2158, 0.0963

Inverse Universe

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



21.8232, 0.3601, 0.2579



33.5623, 0.3747, 0.2445



39.3543, 0.3133, 0.4690



9.1010, 0.3196, 0.3153



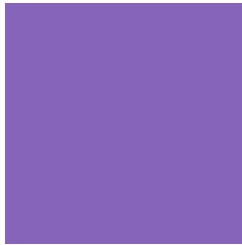
7.8330, 0.4499, 0.2252



0.2880, 0.4084, 0.2023

Previews

White Background



This preview shows how the Yxy color 17.7278, 0.2594, 0.1978 looks on a white background.

Color Contrast Check

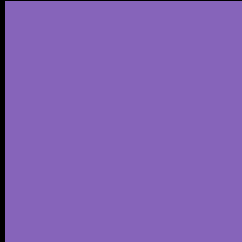
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.7278, 0.2594, 0.1978 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

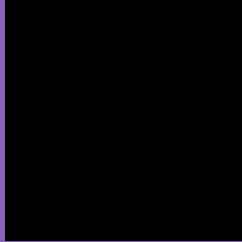
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.7278, 0.2594, 0.1978

Background



This preview shows how black text looks on a background with the Yxy color 17.7278, 0.2594, 0.1978.



This preview shows how white text looks on a background with the Yxy color 17.7278, 0.2594, 0.1978.

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

17.7278, 0.2594, 0.1978

Protanopia

17.9075, 0.2096, 0.1903

Deuteranopia

17.8938, 0.2205, 0.2158



Tritanopia

17.6023, 0.3122, 0.3119

Trichromacy



Original Color

17.7278, 0.2594, 0.1978

Protanomaly

17.5416, 0.2240, 0.1920

Deuteranomaly

17.5545, 0.2325, 0.2082

Tritanomaly

17.4482, 0.2907, 0.2633

Monochromacy



Original Color

17.7278, 0.2594, 0.1978

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

18.1838, 0.2919, 0.2736

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.7278, 0.2594, 0.1978 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, 100, 186)` looks like.

```
.text, #text, p{  
    color:rgb(134, 100, 186)  
}
```

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, 100, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 100, 186) }
```

Border

The CSS property to change the border of an element to Yxy 17.7278, 0.2594, 0.1978 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, 100, 186) }
```

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

```
.border{ border-color:rgb(134, 100, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 100, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 100, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 100, 186);  
box-shadow:4px 4px 4px 4px rgb(134, 100,  
186) }
```


Background

The CSS property to change the background color of an element to Yxy 17.7278, 0.2594, 0.1978 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 100, 186) }
```

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

```
.background{ background-color: rgb(134,  
100, 186) }
```

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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