

Converting Colors

$Y_{xy}(17.5918, 0.2262, 0.1567)$

Have a look what the booklet for
Yxy(17.5918, 0.2262, 0.1567)
contains.

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Color

Yxy(17.5555, 0.2267, 0.1567)

Conversions

Conversions Part 1

Format	Color
Hex	7E5EDB
RGB	126, 94, 219
RGB Percent	49%, 37%, 86%
CMY	0.5058, 0.6314, 0.1411
CMYK	0.42, 0.57, 0.00, 0.14
HSL	255°, 63%, 61%
HSV	255°, 57%, 86%
XYZ	25.3978, 17.5555, 69.0793
YIQ	117.8180, -21.0530, 45.6590

Conversions

Conversions Part 2

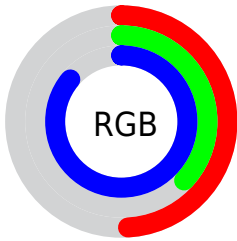
Format	Color
R _Y B	126, 94, 219
Decimal	8281819
CIE Lab	48.95, 42.08, -59.87
CIE LCh	49, 73.177, 305.104
Yxy	17.5555, 0.2267, 0.1567
Android (android.graphics.Color)	4286471899 (0xFF7E5EDB)
YUV	117.8180, 49.8827, 7.1756
Hunter-Lab	41.8993, 34.8763, -68.4218

Details

The Yxy color **17.5555, 0.2267, 0.1567** is a dark color, and the websafe version is hex **9966CC**. The color can be described as middle muted purple. A complement of this color would be **62.0410, 0.3682, 0.4775**, and the grayscale version is **17.9039, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.6611, 0.2592, 0.2036**, and **5.8273, 0.1953, 0.1142** is the 20% darker color. If you saturate the color by 10%, you get **13.0594, 0.2089, 0.1268**, and if you desaturate by 10%, it is **23.3591, 0.2447, 0.1891**.

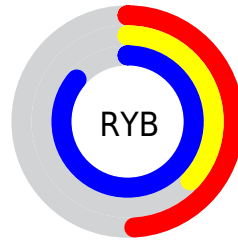
Distribution



Red (49%)

Green (37%)

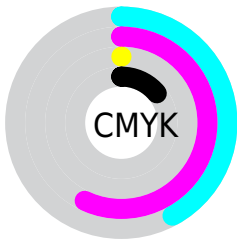
Blue (86%)



Red (49%)

Yellow (37%)

Blue (86%)

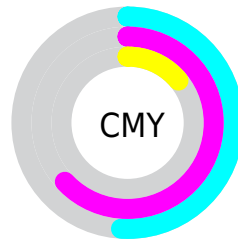


Cyan (42%)

Magenta (57%)

Yellow (0%)

Black (14%)



Cyan (51%)


Magenta (63%)


Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.5555, 0.2267, 0.1567 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 17.5555, 0.2267, 0.1567 by changing the saturation by 10% instead.


 17.5555, 0.2267,
0.1567


 17.5555, 0.2267,
0.1567


238.3535, 0.2759,
0.2416


 10.6313, 0.2131,
0.1373


 39.2784, 0.2457,
0.1865


 5.8195, 0.1953,
0.1139


 54.8460, 0.2525,
0.1981

 2.7356, 0.1713,
0.0861

 74.0635, 0.2582,
0.2080

 0.9953, 0.1387,
0.0542

 97.3153, 0.2629,
0.2166

 0.0000, 0.0971,
0.0000

124.9858, 0.2669,
0.2241

 0.0000, 0.0000,
0.0000

157.4594, 0.2703,

0.2306

195.1205, 0.2733,
0.2364

■ 17.5555, 0.2267,
0.1567

■ 17.5555, 0.2267,
0.1567

■ 13.0594, 0.2089,
0.1268

■ 23.3591, 0.2447,
0.1891

■ 9.7631, 0.1923,
0.1015

■ 30.5625, 0.2620,
0.2220

■ 7.5439, 0.1781,
0.0825

■ 39.2516, 0.2780,
0.2540

■ 6.2421, 0.1670,
0.0706

■ 49.5046, 0.2923,
0.2839

■ 5.9600, 0.1643,
0.0679

■ 61.3942, 0.3048,
0.3113

■ 74.9888, 0.3157,
0.3359

■ 90.3525, 0.3250,
0.3577

■ 97.8954, 0.3339,
0.3641

Harmonies

Analogous

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



17.5555, 0.1472, 0.1446



17.5555, 0.2267, 0.1567



17.5555, 0.3559, 0.1978

Triad

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



17.5555, 0.2267, 0.1567



17.5555, 0.5477, 0.4213



17.5555, 0.1438, 0.3739

Complementary

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



17.5555, 0.2267, 0.1567



62.0410, 0.3682, 0.4775

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.



17.5555, 0.2298, 0.5444



17.5555, 0.2267, 0.1567



17.5555, 0.4585, 0.5177

Square

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



17.5555, 0.2267, 0.1567



17.5555, 0.5734, 0.3373



17.5555, 0.3444, 0.5907



17.5555, 0.1075, 0.2327

Rectangle

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



17.5555, 0.2267, 0.1567



17.5555, 0.4548, 0.2390



17.5555, 0.3444, 0.5907



17.5555, 0.1671, 0.4346

Sweetspot

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



17.5561, 0.2267, 0.1567



69.7822, 0.2922, 0.2837



43.3579, 0.2321, 0.2848



14.2700, 0.2894, 0.2779



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.



17.5561, 0.2267, 0.1567



17.1152, 0.2045, 0.1200



23.7789, 0.2863, 0.1817



12.7777, 0.3021, 0.3051



3.5780, 0.1655, 0.0686



0.2729, 0.1824, 0.0779

Inverse Universe

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



26.6521, 0.3552, 0.2244



31.5075, 0.3681, 0.2083



55.8582, 0.3224, 0.5024



13.2149, 0.3177, 0.3118



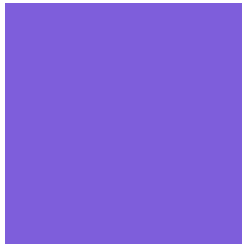
10.5137, 0.3981, 0.1967



0.6948, 0.3828, 0.1882

Previews

White Background



This preview shows how the Yxy color 17.5555, 0.2267, 0.1567 looks on a white background.

Color Contrast Check

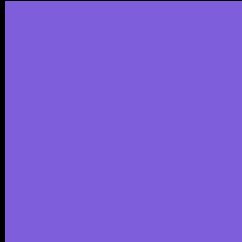
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.5555, 0.2267, 0.1567 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

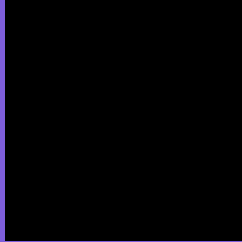
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.5555, 0.2267, 0.1567

Background



This preview shows how black text looks on a background with the Yxy color 17.5555, 0.2267, 0.1567.



This preview shows how white text looks on a background with the Yxy color 17.5555, 0.2267, 0.1567.

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

17.5555, 0.2267, 0.1567

Protanopia

17.7614, 0.1737, 0.1454

Deuteranopia

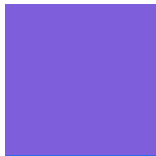
17.5603, 0.1830, 0.1786



Tritanopia

17.4584, 0.2847, 0.3091

Trichromacy



Original Color

17.5555, 0.2267, 0.1567



Protanomaly

16.4535, 0.1795, 0.1434



Deuteranomaly

16.3222, 0.1860, 0.1631



Tritanomaly

16.9552, 0.2597, 0.2370

Monochromacy



Original Color

17.5555, 0.2267, 0.1567



Achromatopsia

18.1164, 0.3127, 0.3290



Achromatomaly

17.3688, 0.2753, 0.2482

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.5555, 0.2267, 0.1567 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(126, 94, 219)` looks like.

```
.text, #text, p{  
    color:rgb(126, 94, 219)  
}
```

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(126, 94, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 94, 219) }
```

Border

The CSS property to change the border of an element to Yxy 17.5555, 0.2267, 0.1567 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(126, 94, 219) }
```

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

```
.border{ border-color:rgb(126, 94, 219) }
```

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

Here you see how a box with a 4 pixel rgb(126, 94, 219) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 94, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 94, 219);  
box-shadow:4px 4px 4px 4px rgb(126, 94,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 17.5555, 0.2267, 0.1567 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 94, 219) }
```

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

```
.background{ background-color: rgb(126, 94,  
219) }
```

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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