

Converting Colors

$Y_{xy}(17.9858, 0.2202, 0.2239)$

Have a look what the booklet for
Yxy(17.9858, 0.2202, 0.2239)
contains.

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Color

Yxy(17.9858, 0.2202, 0.2239)

Conversions

Conversions Part 1

Format	Color
Hex	4D77B2
RGB	77, 119, 178
RGB Percent	30%, 47%, 70%
CMY	0.6983, 0.5333, 0.3020
CMYK	0.57, 0.33, 0.00, 0.30
HSL	215°, 40%, 50%
HSV	215°, 57%, 70%
XYZ	17.6886, 17.9858, 44.6552
YIQ	113.1680, -43.9710, 9.4450

Conversions

Conversions Part 2

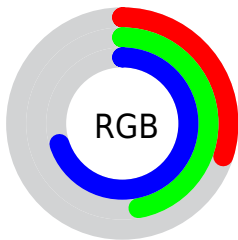
Format	Color
R_{YB}	77, 107, 178
Decimal	5076914
CIE _{Lab}	49.48, 3.23, -35.70
CIE _{LCh}	49, 35.845, 275.170
Yxy	17.9858, 0.2202, 0.2239
Android (android.graphics.Color)	4283266994 (0xFF4D77B2)
YUV	113.1680, 31.9622, -31.7193
Hunter-Lab	42.4097, 0.2334, -32.7426

Details

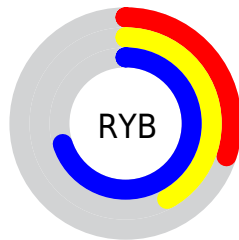
The Yxy color **17.9858, 0.2202, 0.2239** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **27.5834, 0.4258, 0.4123**, and the grayscale version is **16.4754, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.0529, 0.2403, 0.2462**, and **6.0194, 0.1864, 0.1865** is the 20% darker color. If you saturate the color by 10%, you get **15.0060, 0.2051, 0.2015**, and if you desaturate by 10%, it is **21.4397, 0.2365, 0.2458**.

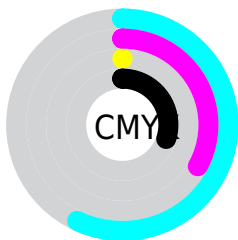
Distribution



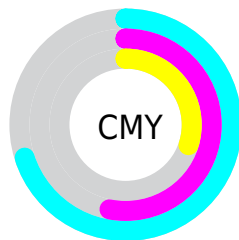
- Red (30%)
- Green (47%)
- Blue (70%)



- Red (30%)
- Yellow (42%)
- Blue (70%)



- Cyan (57%)
- Magenta (33%)
- Yellow (0%)
- Black (30%)



- Cyan (70%)
- Magenta (53%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.9858, 0.2202, 0.2239 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 17.9858, 0.2202, 0.2239 by changing the saturation by 10% instead.

■ 17.9858, 0.2202,
0.2239

■ 17.9858, 0.2202,
0.2239

■ 240.7910, 0.2717,
0.2818

■ 10.9398, 0.2058,
0.2079

■ 40.0131, 0.2401,
0.2461

■ 6.0264, 0.1864,
0.1868

■ 55.7632, 0.2473,
0.2541

■ 2.8611, 0.1597,
0.1578

■ 75.1835, 0.2532,
0.2608

■ 1.0597, 0.1217,
0.1173

■ 98.6583, 0.2581,
0.2663

■ 0.0000, 0.0072,
0.0000

■ 126.5721, 0.2623,
0.2711

■ 0.0000, 0.0000,
0.0000

159.3092, 0.2659,

0.2751

197.2540, 0.2690,
0.2787

■ 17.9858, 0.2202,
0.2239

■ 17.9858, 0.2202,
0.2239

■ 15.0060, 0.2051,
0.2015

■ 21.4397, 0.2365,
0.2458

■ 12.4727, 0.1917,
0.1791

■ 25.3891, 0.2533,
0.2665

■ 10.3577, 0.1807,
0.1576

■ 29.8562, 0.2702,
0.2858

■ 8.6239, 0.1723,
0.1377

■ 34.8610, 0.2867,
0.3034

■ 8.1270, 0.1699,
0.1316

■ 40.4225, 0.3025,
0.3192

■ 46.5586, 0.3174,
0.3334

■ 53.2864, 0.3314,
0.3459

■ 60.6222, 0.3444,
0.3569

■ 68.5816, 0.3564,
0.3666

Harmonies

Analogous

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



17.9858, 0.1951, 0.2419



17.9858, 0.2202, 0.2239



17.9858, 0.2700, 0.2299

Triad

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



17.9858, 0.2202, 0.2239



17.9858, 0.4450, 0.3481



17.9858, 0.2781, 0.4225

Complementary

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



17.9858, 0.2202, 0.2239



27.5834, 0.4258, 0.4123

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.



17.9858, 0.3442, 0.4548



17.9858, 0.2202, 0.2239



17.9858, 0.4437, 0.3994

Square

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



17.9858, 0.2202, 0.2239



17.9858, 0.4048, 0.2979



17.9858, 0.4052, 0.4412



17.9858, 0.2248, 0.3548

Rectangle

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



17.9858, 0.2202, 0.2239



17.9858, 0.3141, 0.2454



17.9858, 0.4052, 0.4412



17.9858, 0.2995, 0.4385

Sweetspot

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



17.9864, 0.2202, 0.2239



62.7286, 0.2858, 0.3025



35.1878, 0.2678, 0.4026



13.4846, 0.2826, 0.2991



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



17.9864, 0.2202, 0.2239



26.0394, 0.2017, 0.1960



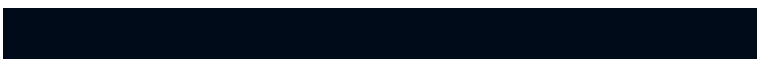
10.4609, 0.2118, 0.1532



8.7922, 0.2985, 0.3154



5.9338, 0.1705, 0.1337



0.3030, 0.1863, 0.1905

Inverse Universe

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



16.0953, 0.4076, 0.2695



23.9882, 0.4412, 0.2614



40.8717, 0.3846, 0.4659



8.5620, 0.3224, 0.3196



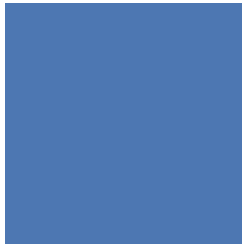
7.1391, 0.5276, 0.2680



0.2364, 0.4561, 0.2286

Previews

White Background



This preview shows how the Yxy color 17.9858, 0.2202, 0.2239 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 17.9858, 0.2202, 0.2239 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

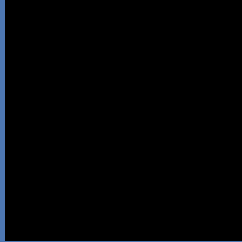
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.9858, 0.2202, 0.2239

Background



This preview shows how black text looks on a background with the Yxy color 17.9858, 0.2202, 0.2239.

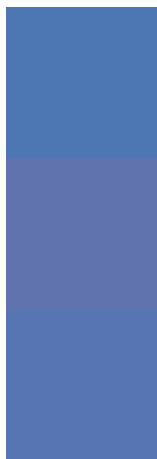


This preview shows how white text looks on a background with the Yxy color 17.9858, 0.2202, 0.2239.

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

17.9858, 0.2202, 0.2239

Protanopia

17.8980, 0.2358, 0.2245

Deuteranopia

18.0035, 0.2259, 0.2207



Tritanopia

17.9770, 0.2402, 0.3078

Trichromacy



Original Color

17.9858, 0.2202, 0.2239

Protanomaly

17.7990, 0.2298, 0.2235

Deuteranomaly

18.0505, 0.2234, 0.2217

Tritanomaly

17.8756, 0.2322, 0.2732

Monochromacy



Original Color

17.9858, 0.2202, 0.2239

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

16.7769, 0.2707, 0.2856

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.9858, 0.2202, 0.2239 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(77, 119, 178)` looks like.

```
.text, #text, p{  
    color:rgb(77, 119, 178)  
}
```

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(77, 119, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 119, 178) }
```

Border

The CSS property to change the border of an element to Yxy 17.9858, 0.2202, 0.2239 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(77, 119, 178) }
```

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

```
.border{ border-color:rgb(77, 119, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 119, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 119, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 119, 178);  
box-shadow:4px 4px 4px 4px rgb(77, 119,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 17.9858, 0.2202, 0.2239 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 119, 178) }
```

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

```
.background{ background-color: rgb(77, 119,  
178) }
```

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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