

Converting Colors

$Y_{xy}(17.7594, 0.2114, 0.2113)$

Have a look what the booklet for
Yxy(17.7594, 0.2114, 0.2113)
contains.

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Color

Yxy(17.7617, 0.2117, 0.2117)

Conversions

Conversions Part 1

Format	Color
Hex	4676B9
RGB	70, 118, 185
RGB Percent	27%, 46%, 73%
CMY	0.7253, 0.5373, 0.2746
CMYK	0.62, 0.36, 0.00, 0.27
HSL	215°, 45%, 50%
HSV	215°, 62%, 73%
XYZ	17.7617, 17.7617, 48.3769
YIQ	111.2860, -50.1150, 10.6610

Conversions

Conversions Part 2

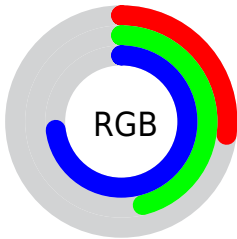
Format	Color
R_{YB}	70, 104, 185
Decimal	4617913
CIE _{Lab}	49.21, 4.80, -40.19
CIE _{LCh}	49, 40.474, 276.811
Yxy	17.7617, 0.2117, 0.2117
Android (android.graphics.Color)	4282807993 (0xFF4676B9)
YUV	111.2860, 36.3410, -36.2078
Hunter-Lab	42.1446, 1.4751, -38.5565

Details

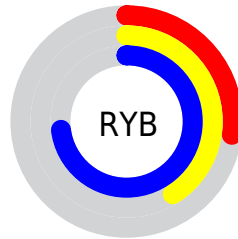
The Yxy color **17.7617, 0.2117, 0.2117** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **28.6550, 0.4390, 0.4185**, and the grayscale version is **15.8909, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.6895, 0.2335, 0.2367**, and **6.0190, 0.1817, 0.1739** is the 20% darker color. If you saturate the color by 10%, you get **14.7809, 0.1975, 0.1892**, and if you desaturate by 10%, it is **21.2459, 0.2275, 0.2340**.

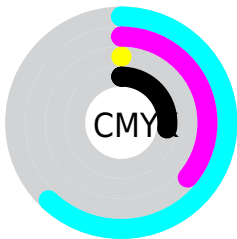
Distribution



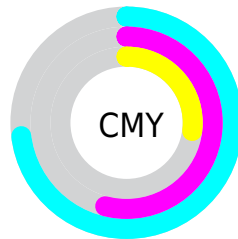
- Red (27%)
- Green (46%)
- Blue (73%)



- Red (27%)
- Yellow (41%)
- Blue (73%)



- Cyan (62%)
- Magenta (36%)
- Yellow (0%)
- Black (27%)



- Cyan (73%)
- Magenta (54%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.7617, 0.2117, 0.2117 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 17.7617, 0.2117, 0.2117 by changing the saturation by 10% instead.

■ 17.7617, 0.2117,
0.2117

■ 17.7617, 0.2117,
0.2117

■ 239.5244, 0.2677,
0.2756

■ 10.7790, 0.1963,
0.1945

■ 39.6308, 0.2332,
0.2360

■ 5.9185, 0.1759,
0.1720

■ 55.2861, 0.2410,
0.2448

■ 2.7956, 0.1482,
0.1420

■ 74.6011, 0.2474,
0.2522

■ 1.0260, 0.1099,
0.1016

■ 97.9600, 0.2527,
0.2583

■ 0.0000, 0.0084,
0.0000

■ 125.7475, 0.2573,
0.2636

■ 0.0000, 0.0000,
0.0000

158.3478, 0.2613,

0.2682

196.1453, 0.2647,
0.2722

■ 17.7617, 0.2117,
0.2117

■ 17.7617, 0.2117,
0.2117

■ 14.7809, 0.1975,
0.1892

■ 21.2459, 0.2275,
0.2340

■ 12.2717, 0.1853,
0.1672

■ 25.2584, 0.2441,
0.2554

■ 10.2004, 0.1758,
0.1464

■ 29.8246, 0.2610,
0.2756

■ 8.8329, 0.1698,
0.1314

■ 34.9673, 0.2778,
0.2941

■ 40.7079, 0.2941,
0.3109

■ 47.0667, 0.3095,
0.3260

■ 54.0629, 0.3241,
0.3394

■ 61.7147, 0.3376,
0.3512

■ 70.0398, 0.3502,
0.3616

Harmonies

Analogous

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



17.7617, 0.1828, 0.2291



17.7617, 0.2117, 0.2117



17.7617, 0.2680, 0.2200

Triad

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



17.7617, 0.2117, 0.2117



17.7617, 0.4637, 0.3516



17.7617, 0.2688, 0.4331

Complementary

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



17.7617, 0.2117, 0.2117



28.6550, 0.4390, 0.4185

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.



17.7617, 0.3424, 0.4722



17.7617, 0.2117, 0.2117



17.7617, 0.4582, 0.4086

Square

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



17.7617, 0.2117, 0.2117



17.7617, 0.4206, 0.2963



17.7617, 0.4119, 0.4563



17.7617, 0.2112, 0.3530

Rectangle

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



17.7617, 0.2117, 0.2117



17.7617, 0.3180, 0.2378



17.7617, 0.4119, 0.4563



17.7617, 0.2925, 0.4524

Sweetspot

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



17.7623, 0.2117, 0.2117



65.4308, 0.2825, 0.2990



37.7459, 0.2666, 0.4148



13.4996, 0.2778, 0.2941



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



17.7623, 0.2117, 0.2117



24.5382, 0.1922, 0.1800



9.4970, 0.1994, 0.1346



9.3186, 0.2985, 0.3153



6.1533, 0.1705, 0.1337



0.3399, 0.1850, 0.1860

Inverse Universe

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



16.0066, 0.4219, 0.2652



23.4438, 0.4622, 0.2591



44.5144, 0.3915, 0.4754



9.0727, 0.3224, 0.3195



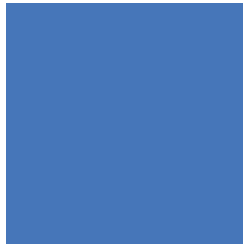
7.4035, 0.5276, 0.2680



0.2734, 0.4615, 0.2316

Previews

White Background



This preview shows how the Yxy color 17.7617, 0.2117, 0.2117 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 17.7617, 0.2117, 0.2117 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

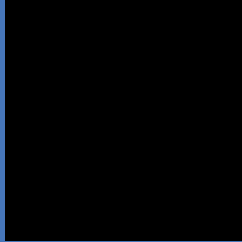
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.7617, 0.2117, 0.2117

Background



This preview shows how black text looks on a background with the Yxy color 17.7617, 0.2117, 0.2117.

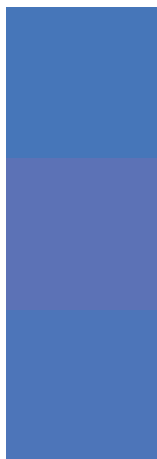


This preview shows how white text looks on a background with the Yxy color 17.7617, 0.2117, 0.2117.

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

17.7617, 0.2117, 0.2117

Protanopia

17.6873, 0.2268, 0.2125

Deuteranopia

17.8031, 0.2155, 0.2110



Tritanopia

17.8777, 0.2318, 0.3075

Trichromacy



Original Color

17.7617, 0.2117, 0.2117

Protanomaly

17.5652, 0.2206, 0.2113

Deuteranomaly

17.6812, 0.2136, 0.2105

Tritanomaly

17.5941, 0.2230, 0.2669

Monochromacy



Original Color

17.7617, 0.2117, 0.2117

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

16.3564, 0.2652, 0.2812

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.7617, 0.2117, 0.2117 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(70, 118, 185)` looks like.

```
.text, #text, p{  
    color:rgb(70, 118, 185)  
}
```

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(70, 118, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 118, 185) }
```

Border

The CSS property to change the border of an element to Yxy 17.7617, 0.2117, 0.2117 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(70, 118, 185) }
```

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

```
.border{ border-color:rgb(70, 118, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 118, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(70, 118, 185); -webkit-box-shadow:4px 4px 4px 4px rgb(70, 118, 185); box-shadow:4px 4px 4px 4px rgb(70, 118, 185) }
```


Background

The CSS property to change the background color of an element to Yxy 17.7617, 0.2117, 0.2117 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 118, 185) }
```

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

```
.background{ background-color: rgb(70, 118,  
185) }
```

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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