

Converting Colors

$Y_{xy}(17.9604, 0.2356, 0.2434)$

Have a look what the booklet for
Yxy(17.9604, 0.2356, 0.2434)
contains.

Yxy(17.9731, 0.2352, 0.2428)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(17.9731, 0.2352, 0.2428)

Conversions

Conversions Part 1

Format	Color
Hex	5777A6
RGB	87, 119, 166
RGB Percent	34%, 47%, 65%
CMY	0.6589, 0.5333, 0.3489
CMYK	0.48, 0.28, 0.00, 0.35
HSL	216°, 31%, 50%
HSV	216°, 48%, 65%
XYZ	17.4105, 17.9731, 38.6407
YIQ	114.7900, -34.1590, 7.8330

Conversions

Conversions Part 2

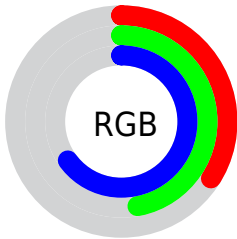
Format	Color
R _Y B	87, 110, 166
Decimal	5732262
CIE Lab	49.46, 1.79, -28.73
CIE LCh	49, 28.786, 273.570
Yxy	17.9731, 0.2352, 0.2428
Android (android.graphics.Color)	4283922342 (0xFF5777A6)
YUV	114.7900, 25.2465, -24.3718
Hunter-Lab	42.3947, -0.8849, -24.3636

Details

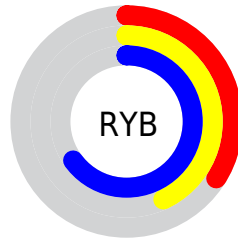
The Yxy color **17.9731, 0.2352, 0.2428** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **25.8489, 0.4030, 0.4010**, and the grayscale version is **17.0068, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.0090, 0.2528, 0.2620**, and **6.0285, 0.2052, 0.2101** is the 20% darker color. If you saturate the color by 10%, you get **15.0346, 0.2189, 0.2206**, and if you desaturate by 10%, it is **21.3411, 0.2521, 0.2639**.

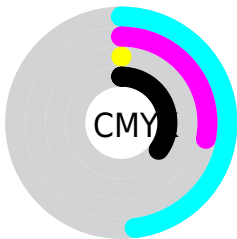
Distribution



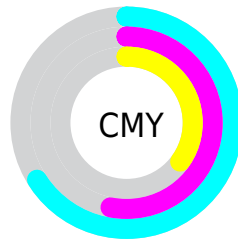
- Red (34%)
- Green (47%)
- Blue (65%)



- Red (34%)
- Yellow (43%)
- Blue (65%)



- Cyan (48%)
- Magenta (28%)
- Yellow (0%)
- Black (35%)



- Cyan (66%)
- Magenta (53%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.9731, 0.2352, 0.2428 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 17.9731, 0.2352, 0.2428 by changing the saturation by 10% instead.

■ 17.9731, 0.2352,
0.2428

■ 17.9731, 0.2352,
0.2428

■ 240.7194, 0.2789,
0.2910

■ 10.9307, 0.2226,
0.2290

■ 39.9915, 0.2523,
0.2616

■ 6.0202, 0.2054,
0.2103

■ 55.7362, 0.2584,
0.2683

■ 2.8574, 0.1809,
0.1838

■ 75.1505, 0.2633,
0.2738

■ 1.0577, 0.1440,
0.1443

■ 98.6188, 0.2675,
0.2784

■ 0.0000, 0.0000,
0.0000

■ 126.5254, 0.2710,
0.2823

■ 159.2548, 0.2740,

0.2856

197.1913, 0.2766,
0.2885

■ 17.9731, 0.2352,
0.2428

■ 17.9731, 0.2352,
0.2428

■ 15.0346, 0.2189,
0.2206

■ 21.3411, 0.2521,
0.2639

■ 12.5033, 0.2038,
0.1978

■ 25.1552, 0.2689,
0.2836

■ 10.3576, 0.1905,
0.1752

■ 29.4335, 0.2854,
0.3016

■ 8.5728, 0.1795,
0.1536

■ 34.1924, 0.3013,
0.3178

■ 7.1126, 0.1711,
0.1337

■ 39.4475, 0.3162,
0.3323

■ 6.7995, 0.1692,
0.1292

■ 45.2135, 0.3302,
0.3451

■ 51.5046, 0.3431,
0.3564

■ 58.3344, 0.3550,
0.3663

■ 65.7158, 0.3660,
0.3750

Harmonies

Analogous

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



17.9731, 0.2150, 0.2601



17.9731, 0.2352, 0.2428



17.9731, 0.2759, 0.2462

Triad

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



17.9731, 0.2352, 0.2428



17.9731, 0.4180, 0.3443



17.9731, 0.2885, 0.4046

Complementary

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



17.9731, 0.2352, 0.2428



25.8489, 0.4030, 0.4010

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.



17.9731, 0.3427, 0.4291



17.9731, 0.2352, 0.2428



17.9731, 0.4199, 0.3867

Square

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



17.9731, 0.2352, 0.2428



17.9731, 0.3842, 0.3022



17.9731, 0.3912, 0.4195



17.9731, 0.2433, 0.3533

Rectangle

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



17.9731, 0.2352, 0.2428



17.9731, 0.3115, 0.2586



17.9731, 0.3912, 0.4195



17.9731, 0.3062, 0.4166

Sweetspot

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



17.9738, 0.2352, 0.2428



56.1948, 0.2908, 0.3072



31.0035, 0.2731, 0.3882



12.1835, 0.2875, 0.3037



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



17.9738, 0.2352, 0.2428



27.0557, 0.2182, 0.2196



11.9240, 0.2308, 0.1852



7.7809, 0.2986, 0.3152



5.3580, 0.1697, 0.1308



0.2313, 0.1885, 0.1986

Inverse Universe

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



16.2549, 0.3865, 0.2796



24.5686, 0.4121, 0.2704



35.3861, 0.3746, 0.4456



7.5908, 0.3225, 0.3199



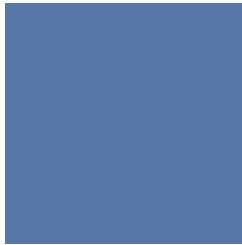
6.6119, 0.5315, 0.2702



0.1711, 0.4468, 0.2235

Previews

White Background



This preview shows how the Yxy color 17.9731, 0.2352, 0.2428 looks on a white background.

Color Contrast Check

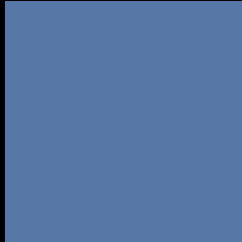
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.9731, 0.2352, 0.2428 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

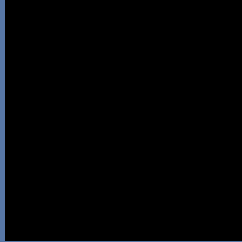
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

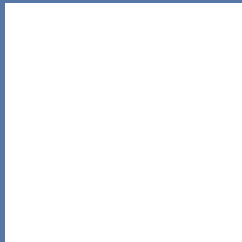
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 17.9731, 0.2352, 0.2428

Background



This preview shows how black text looks on a background with the Yxy color 17.9731, 0.2352, 0.2428.

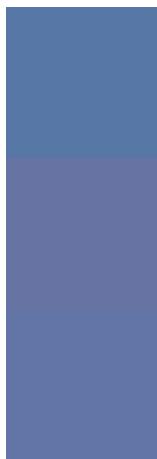


This preview shows how white text looks on a background with the Yxy color 17.9731, 0.2352, 0.2428.

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

17.9731, 0.2352, 0.2428

Protanopia

18.0187, 0.2506, 0.2447

Deuteranopia

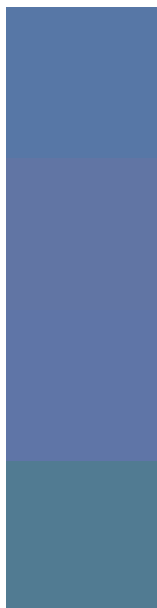
17.9335, 0.2437, 0.2380



Tritanopia

18.0362, 0.2538, 0.3083

Trichromacy



Original Color

17.9731, 0.2352, 0.2428

Protanomaly

17.9443, 0.2445, 0.2439

Deuteranomaly

17.9455, 0.2405, 0.2390

Tritanomaly

17.9906, 0.2467, 0.2833

Monochromacy



Original Color

17.9731, 0.2352, 0.2428

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

17.2153, 0.2794, 0.2938

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.9731, 0.2352, 0.2428 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(87, 119, 166)` looks like.

```
.text, #text, p{  
    color:rgb(87, 119, 166)  
}
```

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(87, 119, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 119, 166) }
```

Border

The CSS property to change the border of an element to Yxy 17.9731, 0.2352, 0.2428 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(87, 119, 166) }
```

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

```
.border{ border-color:rgb(87, 119, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 119, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 119, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 119, 166);  
box-shadow:4px 4px 4px 4px rgb(87, 119,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 17.9731, 0.2352, 0.2428 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 119, 166) }
```

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

```
.background{ background-color: rgb(87, 119,  
166) }
```

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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