

Converting Colors

$Y_{xy}(19.8304, 0.2521, 0.2512)$

Have a look what the booklet for
Yxy(19.8304, 0.2521, 0.2512)
contains.

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Color

Yxy(19.7733, 0.2517, 0.2504)

Conversions

Conversions Part 1

Format	Color
Hex	6A7AA7
RGB	106, 122, 167
RGB Percent	42%, 48%, 65%
CMY	0.5843, 0.5215, 0.3452
CMYK	0.37, 0.27, 0.00, 0.35
HSL	224°, 26%, 54%
HSV	224°, 37%, 65%
XYZ	19.8760, 19.7733, 39.3176
YIQ	122.3460, -23.9810, 10.6030

Conversions

Conversions Part 2

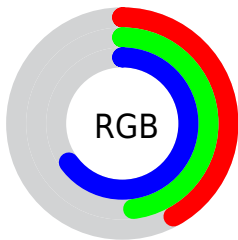
Format	Color
R_{YB}	106, 119, 167
Decimal	6978215
CIE _{Lab}	51.58, 5.49, -25.90
CIE _{LCh}	52, 26.478, 281.958
Yxy	19.7733, 0.2517, 0.2504
Android (android.graphics.Color)	4285168295 (0xFF6A7AA7)
YUV	122.3460, 22.0144, -14.3354
Hunter-Lab	44.4672, 1.9684, -21.2968

Details

The Yxy color **19.7733, 0.2517, 0.2504** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **31.3750, 0.3741, 0.3967**, and the grayscale version is **19.5135, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.9170, 0.2652, 0.2671**, and **6.9476, 0.2278, 0.2223** is the 20% darker color. If you saturate the color by 10%, you get **16.0139, 0.2333, 0.2242**, and if you desaturate by 10%, it is **24.1165, 0.2697, 0.2749**.

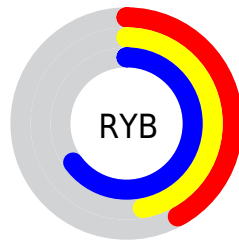
Distribution



Red (42%)

Green (48%)

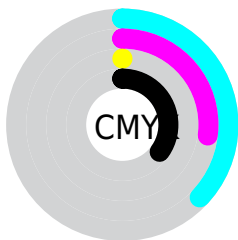
Blue (65%)



Red (42%)

Yellow (47%)

Blue (65%)

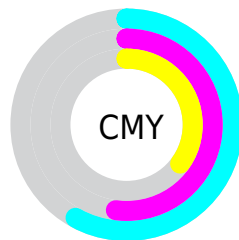


Cyan (37%)

Magenta (27%)

Yellow (0%)

Black (35%)



Cyan (58%)

Magenta (52%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.7733, 0.2517, 0.2504 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 19.7733, 0.2517, 0.2504 by changing the saturation by 10% instead.

■ 19.7733, 0.2517,
0.2504

■ 19.7733, 0.2517,
0.2504

250.6852, 0.2860,
0.2937

■ 12.2304, 0.2418,
0.2382

■ 43.0368, 0.2651,
0.2671

■ 6.9008, 0.2282,
0.2218

■ 59.5261, 0.2699,
0.2731

■ 3.4001, 0.2085,
0.1985

■ 79.7664, 0.2738,
0.2781

■ 1.3440, 0.1783,
0.1639

■ 104.1419, 0.2770,
0.2822

■ 0.1749, 0.1038,
0.0605

133.0372, 0.2798,
0.2857

■ 0.0000, 0.0000,
0.0000

166.8366, 0.2822,

0.2888

205.9244, 0.2842,
0.2914

■ 19.7733, 0.2517,
0.2504

■ 19.7733, 0.2517,
0.2504

■ 16.0139, 0.2333,
0.2242

■ 24.1165, 0.2697,
0.2749

■ 12.8103, 0.2151,
0.1968

■ 29.0655, 0.2869,
0.2972

■ 10.1351, 0.1980,
0.1693

■ 34.6438, 0.3029,
0.3172

■ 7.9577, 0.1829,
0.1429

■ 40.8729, 0.3177,
0.3349

■ 6.2440, 0.1706,
0.1190

■ 47.7734, 0.3311,
0.3505

■ 4.9513, 0.1617,
0.0988

■ 55.3650, 0.3433,
0.3641

■ 4.5795, 0.1591,
0.0926

■ 63.6663, 0.3542,
0.3760

■ 72.6954, 0.3640,
0.3864

■ 82.2274, 0.3719,
0.3956

Harmonies

Analogous

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



19.7733, 0.2278, 0.2611



19.7733, 0.2517, 0.2504



19.7733, 0.2929, 0.2581

Triad

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



19.7733, 0.2517, 0.2504



19.7733, 0.4100, 0.3545



19.7733, 0.2788, 0.3847

Complementary

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



19.7733, 0.2517, 0.2504



31.3750, 0.3741, 0.3967

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.



19.7733, 0.3264, 0.4145



19.7733, 0.2517, 0.2504



19.7733, 0.4039, 0.3910

Square

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



19.7733, 0.2517, 0.2504



19.7733, 0.3872, 0.3155



19.7733, 0.3725, 0.4150



19.7733, 0.2421, 0.3368

Rectangle

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



19.7733, 0.2517, 0.2504



19.7733, 0.3261, 0.2721



19.7733, 0.3725, 0.4150



19.7733, 0.2940, 0.3976

Sweetspot

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



19.7741, 0.2517, 0.2504



57.2466, 0.2956, 0.3081



32.9185, 0.2740, 0.3562



12.5223, 0.2935, 0.3055



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.



19.7741, 0.2517, 0.2504



29.7783, 0.2364, 0.2288



17.1048, 0.2625, 0.2256



7.6091, 0.2986, 0.3119



3.5755, 0.1595, 0.0941



0.1682, 0.1775, 0.1588

Inverse Universe

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



19.9251, 0.3756, 0.3043



30.5693, 0.3972, 0.2987



35.4180, 0.3519, 0.4225



7.5735, 0.3246, 0.3231



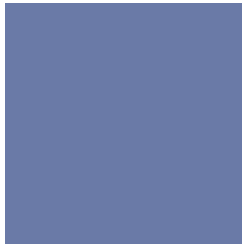
6.4320, 0.5848, 0.2995



0.1647, 0.4946, 0.2498

Previews

White Background



This preview shows how the Yxy color 19.7733, 0.2517, 0.2504 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 19.7733, 0.2517, 0.2504 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

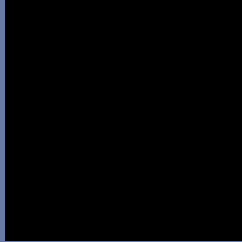
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

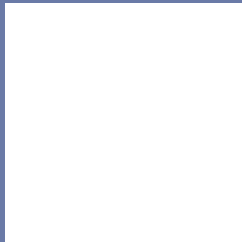
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 19.7733, 0.2517, 0.2504

Background



This preview shows how black text looks on a background with the Yxy color 19.7733, 0.2517, 0.2504.



This preview shows how white text looks on a background with the Yxy color 19.7733, 0.2517, 0.2504.

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

19.7733, 0.2517, 0.2504

Protanopia

19.7429, 0.2560, 0.2508

Deuteranopia

19.7160, 0.2542, 0.2491



Tritanopia

19.6664, 0.2710, 0.3077

Trichromacy



Original Color

19.7733, 0.2517, 0.2504

Protanomaly

19.6791, 0.2550, 0.2506

Deuteranomaly

19.6529, 0.2533, 0.2489

Tritanomaly

19.6619, 0.2637, 0.2843

Monochromacy



Original Color

19.7733, 0.2517, 0.2504

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

19.4670, 0.2883, 0.2994

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.7733, 0.2517, 0.2504 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(106, 122, 167)` looks like.

```
.text, #text, p{  
    color:rgb(106, 122, 167)  
}
```

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(106, 122, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 122, 167) }
```

Border

The CSS property to change the border of an element to Yxy 19.7733, 0.2517, 0.2504 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(106, 122, 167) }
```

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

```
.border{ border-color:rgb(106, 122, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 122, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 122, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 122, 167);  
box-shadow:4px 4px 4px 4px rgb(106, 122,  
167) }
```


Background

The CSS property to change the background color of an element to Yxy 19.7733, 0.2517, 0.2504 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 122, 167) }
```

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

```
.background{ background-color: rgb(106,  
122, 167) }
```

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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