

Converting Colors

$Y_{xy}(19.7754, 0.2510, 0.3089)$

Have a look what the booklet for
Yxy(19.7754, 0.2510, 0.3089)
contains.

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Color

$\text{Yxy}(19.7754, 0.2510, 0.3089)$

Conversions

Conversions Part 1

Format	Color
Hex	4E838D
RGB	78, 131, 141
RGB Percent	31%, 51%, 55%
CMY	0.6940, 0.4863, 0.4470
CMYK	0.45, 0.07, 0.00, 0.45
HSL	190°, 29%, 43%
HSV	190°, 45%, 55%
XYZ	16.0687, 19.7754, 28.1747
YIQ	116.2930, -34.7980, -8.1260

Conversions

Conversions Part 2

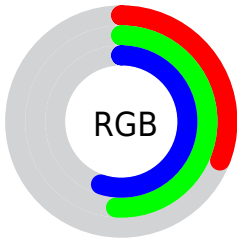
Format	Color
R_{YB}	78, 107, 141
Decimal	5145485
CIE _{Lab}	51.58, -14.83, -10.93
CIE _{LCh}	52, 18.421, 216.378
Yxy	19.7754, 0.2510, 0.3089
Android (android.graphics.Color)	4283335565 (0xFF4E838D)
YUV	116.2930, 12.1806, -33.5830
Hunter-Lab	44.4695, -13.3221, -6.4358

Details

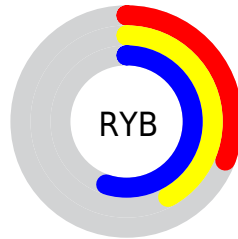
The Yxy color **19.7754, 0.2510, 0.3089** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **13.2029, 0.4174, 0.3476**, and the grayscale version is **17.5324, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.0464, 0.2645, 0.3132**, and **6.8344, 0.2266, 0.2974** is the 20% darker color. If you saturate the color by 10%, you get **18.6467, 0.2400, 0.3036**, and if you desaturate by 10%, it is **21.0465, 0.2634, 0.3139**.

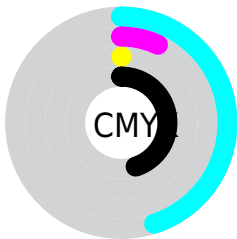
Distribution



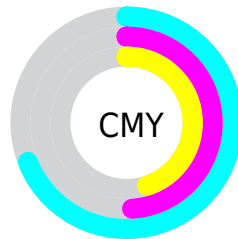
- Red (31%)
- Green (51%)
- Blue (55%)



- Red (31%)
- Yellow (42%)
- Blue (55%)



- Cyan (45%)
- Magenta (7%)
- Yellow (0%)
- Black (45%)



- Cyan (69%)
- Magenta (49%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.7754, 0.2510, 0.3089 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 19.7754, 0.2510, 0.3089 by changing the saturation by 10% instead.

■ 19.7754, 0.2510,
0.3089

■ 19.7754, 0.2510,
0.3089

■ 250.6966, 0.2856,
0.3210

■ 12.2319, 0.2409,
0.3049

■ 43.0403, 0.2646,
0.3139

■ 6.9018, 0.2270,
0.2991

■ 59.5305, 0.2694,
0.3156

■ 3.4008, 0.2065,
0.2898

■ 79.7717, 0.2733,
0.3170

■ 1.3444, 0.1740,
0.2731

■ 104.1483, 0.2765,
0.3181

■ 0.1752, 0.0000,
0.1551

■ 133.0447, 0.2793,
0.3190

■ 0.0000, 0.0000,
0.0000

166.8453, 0.2817,

0.3198

205.9345, 0.2838,
0.3204

■ 19.7754, 0.2510,
0.3089

■ 19.7754, 0.2510,
0.3089

■ 18.6467, 0.2400,
0.3036

■ 21.0465, 0.2634,
0.3139

■ 17.6496, 0.2305,
0.2982

■ 22.4651, 0.2768,
0.3187

■ 16.7758, 0.2228,
0.2927

■ 24.0392, 0.2910,
0.3231

■ 16.0145, 0.2169,
0.2872

■ 25.7752, 0.3058,
0.3272

■ 15.3520, 0.2127,
0.2817

■ 27.6793, 0.3207,
0.3309

■ 15.0178, 0.2108,
0.2787

■ 29.7572, 0.3357,
0.3343

■ 32.0146, 0.3505,
0.3373

■ 34.4565, 0.3650,
0.3400

■ 37.0882, 0.3790,
0.3423

Harmonies

Analogous

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



19.7754, 0.2670, 0.3414



19.7754, 0.2510, 0.3089



19.7754, 0.2504, 0.2846

Triad

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



19.7754, 0.2510, 0.3089



19.7754, 0.3277, 0.2912



19.7754, 0.3603, 0.3872

Complementary

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



19.7754, 0.2510, 0.3089



13.2029, 0.4174, 0.3476

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.



19.7754, 0.3787, 0.3696



19.7754, 0.2510, 0.3089



19.7754, 0.3596, 0.3151

Square

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



19.7754, 0.2510, 0.3089



19.7754, 0.2931, 0.2761



19.7754, 0.3786, 0.3432



19.7754, 0.3296, 0.3889

Rectangle

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



19.7754, 0.2510, 0.3089



19.7754, 0.2588, 0.2756



19.7754, 0.3786, 0.3432



19.7754, 0.3682, 0.3828

Sweetspot

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



19.7762, 0.2510, 0.3089



43.4530, 0.2930, 0.3237



21.3712, 0.2986, 0.4428



9.5738, 0.2902, 0.3229



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



19.7762, 0.2510, 0.3089



33.2917, 0.2395, 0.3034



12.6741, 0.2399, 0.2429



5.9723, 0.2990, 0.3254



13.7094, 0.2108, 0.2789



0.1564, 0.2182, 0.3054

Inverse Universe

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



12.7564, 0.3325, 0.2382



19.3734, 0.3385, 0.2191



19.4015, 0.3923, 0.4015



5.4965, 0.3160, 0.3107



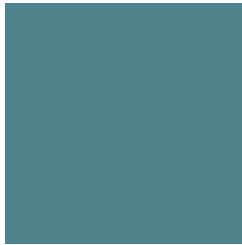
6.3703, 0.3644, 0.1781



0.0635, 0.3407, 0.1650

Previews

White Background



This preview shows how the Yxy color 19.7754, 0.2510, 0.3089 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 19.7754, 0.2510, 0.3089 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

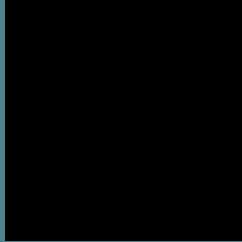
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.7754, 0.2510, 0.3089

Background



This preview shows how black text looks on a background with the Yxy color 19.7754, 0.2510, 0.3089.



This preview shows how white text looks on a background with the Yxy color 19.7754, 0.2510, 0.3089.

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

19.7754, 0.2510, 0.3089

Protanopia

19.7333, 0.2972, 0.3051

Deuteranopia

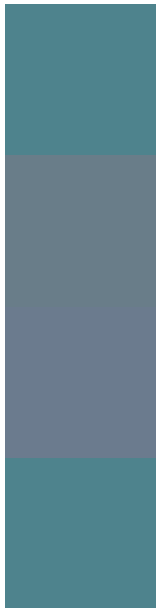
19.4619, 0.2921, 0.2861



Tritanopia

19.7754, 0.2510, 0.3089

Trichromacy



Original Color

19.7754, 0.2510, 0.3089

Protanomaly

19.4766, 0.2777, 0.3060

Deuteranomaly

19.2447, 0.2747, 0.2932

Tritanomaly

19.7754, 0.2510, 0.3089

Monochromacy



Original Color

19.7754, 0.2510, 0.3089

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

17.9802, 0.2859, 0.3209

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.7754, 0.2510, 0.3089 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(78, 131, 141)` looks like.

```
.text, #text, p{  
    color:rgb(78, 131, 141)  
}
```

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(78, 131, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 131, 141) }
```

Border

The CSS property to change the border of an element to Yxy 19.7754, 0.2510, 0.3089 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(78, 131, 141) }
```

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

```
.border{ border-color:rgb(78, 131, 141) }
```

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

Here you see how a box with a 4 pixel rgb(78, 131, 141) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 131, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 131, 141);  
box-shadow:4px 4px 4px 4px rgb(78, 131,  
141) }
```


Background

The CSS property to change the background color of an element to Yxy 19.7754, 0.2510, 0.3089 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 131, 141) }
```

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

```
.background{ background-color: rgb(78, 131,  
141) }
```

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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