

Converting Colors

$Y_{xy}(19.7649, 0.2471, 0.3227)$

Have a look what the booklet for
Yxy(19.7649, 0.2471, 0.3227)
contains.

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Color

Yxy(19.7109, 0.2468, 0.3226)

Conversions

Conversions Part 1

Format	Color
Hex	428588
RGB	66, 133, 136
RGB Percent	26%, 52%, 53%
CMY	0.7412, 0.4784, 0.4666
CMYK	0.51, 0.02, 0.00, 0.47
HSL	183°, 35%, 40%
HSV	183°, 51%, 53%
XYZ	15.0795, 19.7109, 26.3097
YIQ	113.3090, -40.8950, -13.2710

Conversions

Conversions Part 2

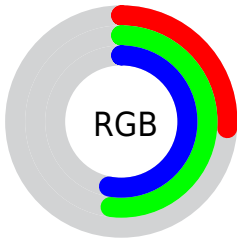
Format	Color
R _Y B	66, 100, 136
Decimal	4359560
CIE Lab	51.51, -20.31, -8.18
CIE LCh	52, 21.892, 201.930
Yxy	19.7109, 0.2468, 0.3226
Android (android.graphics.Color)	4282549640 (0xFF428588)
YUV	113.3090, 11.1867, -41.4900
Hunter-Lab	44.3970, -17.0668, -4.0575

Details

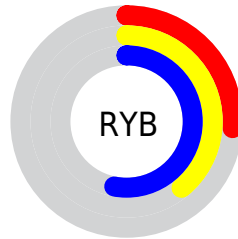
The Yxy color **19.7109, 0.2468, 0.3226** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **9.8890, 0.4495, 0.3350**, and the grayscale version is **16.5863, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.7850, 0.2616, 0.3245**, and **6.8584, 0.2219, 0.3189** is the 20% darker color. If you saturate the color by 10%, you get **19.1338, 0.2382, 0.3212**, and if you desaturate by 10%, it is **20.4028, 0.2571, 0.3240**.

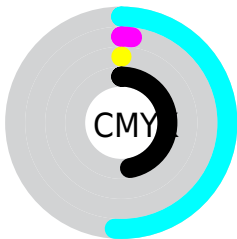
Distribution



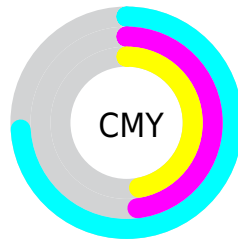
- Red (26%)
- Green (52%)
- Blue (53%)



- Red (26%)
- Yellow (39%)
- Blue (53%)



- Cyan (51%)
- Magenta (2%)
- Yellow (0%)
- Black (47%)





- Cyan (74%)
- Magenta (48%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.7109, 0.2468, 0.3226 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 19.7109, 0.2468, 0.3226 by changing the saturation by 10% instead.


 19.7109, 0.2468,
0.3226


 19.7109, 0.2468,
0.3226


250.3457, 0.2838,
0.3270


 12.1851, 0.2360,
0.3209


 42.9320, 0.2613,
0.3246


 6.8698, 0.2210,
0.3181


 59.3960, 0.2664,
0.3252

 3.3808, 0.1991,
0.3133

 79.6082, 0.2706,
0.3257

 1.3336, 0.1630,
0.3039

 103.9529, 0.2741,
0.3261

 0.1670, 0.0000,
0.1815

 132.8147, 0.2771,
0.3264

 0.0000, 0.0000,
0.0000

166.5778, 0.2796,

0.3266

205.6267, 0.2818,
0.3268

■ 19.7109, 0.2468,
0.3226

■ 19.7109, 0.2468,
0.3226

■ 19.1338, 0.2382,
0.3212

■ 20.4028, 0.2571,
0.3240

■ 18.6611, 0.2314,
0.3198

■ 21.2145, 0.2688,
0.3253

■ 18.2844, 0.2264,
0.3184

■ 22.1535, 0.2818,
0.3266

■ 17.9929, 0.2231,
0.3170

■ 23.2260, 0.2958,
0.3277

■ 17.7839, 0.2211,
0.3158

■ 24.4376, 0.3105,
0.3288

■ 25.7940, 0.3257,
0.3299

■ 27.3002, 0.3411,
0.3308

■ 28.9611, 0.3564,
0.3316

■ 30.7814, 0.3716,
0.3323

Harmonies

Analogous

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



19.7109, 0.2732, 0.3625



19.7109, 0.2468, 0.3226



19.7109, 0.2374, 0.2880

Triad

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



19.7109, 0.2468, 0.3226



19.7109, 0.3101, 0.2745



19.7109, 0.3820, 0.3895

Complementary

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



19.7109, 0.2468, 0.3226



9.8890, 0.4495, 0.3350

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.



19.7109, 0.3942, 0.3620



19.7109, 0.2468, 0.3226



19.7109, 0.3513, 0.2979

Square

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



19.7109, 0.2468, 0.3226



19.7109, 0.2720, 0.2634



19.7109, 0.3829, 0.3291



19.7109, 0.3511, 0.4024

Rectangle

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



19.7109, 0.2468, 0.3226



19.7109, 0.2413, 0.2726



19.7109, 0.3829, 0.3291



19.7109, 0.3885, 0.3815

Sweetspot

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



19.7117, 0.2468, 0.3226



40.1613, 0.2903, 0.3273



19.1941, 0.3035, 0.4811



9.2204, 0.2877, 0.3271



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



19.7117, 0.2468, 0.3226



33.5388, 0.2368, 0.3209



11.7997, 0.2322, 0.2463



5.6523, 0.2991, 0.3280



16.8299, 0.2211, 0.3159



0.1171, 0.2230, 0.3228

Inverse Universe

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



10.8266, 0.3230, 0.2140



16.1716, 0.3255, 0.1930



15.3991, 0.4140, 0.3978



5.1253, 0.3143, 0.3084



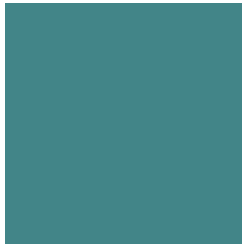
6.4832, 0.3317, 0.1601



0.0436, 0.3259, 0.1569

Previews

White Background



This preview shows how the Yxy color 19.7109, 0.2468, 0.3226 looks on a white background.

Color Contrast Check

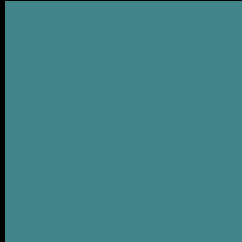
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.7109, 0.2468, 0.3226 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

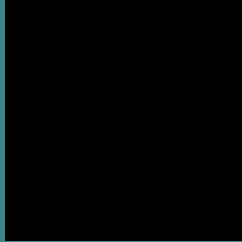
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.7109, 0.2468, 0.3226

Background



This preview shows how black text looks on a background with the Yxy color 19.7109, 0.2468, 0.3226.

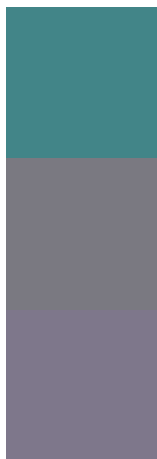


This preview shows how white text looks on a background with the Yxy color 19.7109, 0.2468, 0.3226.

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

19.7109, 0.2468, 0.3226

Protanopia

19.3973, 0.3049, 0.3142

Deuteranopia

19.4934, 0.2987, 0.2931



Tritanopia

19.7146, 0.2426, 0.3067

Trichromacy



Original Color

19.7109, 0.2468, 0.3226

Protanomaly

19.1580, 0.2794, 0.3153

Deuteranomaly

19.1933, 0.2755, 0.3021

Tritanomaly

19.5893, 0.2441, 0.3126

Monochromacy



Original Color

19.7109, 0.2468, 0.3226

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

17.3002, 0.2832, 0.3269

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.7109, 0.2468, 0.3226 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(66, 133, 136)` looks like.

```
.text, #text, p{  
    color:rgb(66, 133, 136)  
}
```

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(66, 133, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 133, 136) }
```

Border

The CSS property to change the border of an element to Yxy 19.7109, 0.2468, 0.3226 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(66, 133, 136) }
```

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

```
.border{ border-color:rgb(66, 133, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 133, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 133, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 133, 136);  
box-shadow:4px 4px 4px 4px rgb(66, 133,  
136) }
```


Background

The CSS property to change the background color of an element to Yxy 19.7109, 0.2468, 0.3226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 133, 136) }
```

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

```
.background{ background-color: rgb(66, 133,  
136) }
```

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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