

Converting Colors

$Y_{xy}(10.3458, 0.2419, 0.2519)$

Have a look what the booklet for
Yxy(10.3458, 0.2419, 0.2519)
contains.

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Color

Yxy(10.4002, 0.2419, 0.2520)

Conversions

Conversions Part 1

Format	Color
Hex	455C7D
RGB	69, 92, 125
RGB Percent	27%, 36%, 49%
CMY	0.7294, 0.6392, 0.5098
CMYK	0.45, 0.26, 0.00, 0.51
HSL	215°, 29%, 38%
HSV	215°, 45%, 49%
XYZ	9.9834, 10.4002, 20.8871
YIQ	88.8850, -24.3010, 5.3870

Conversions

Conversions Part 2

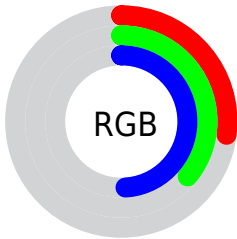
Format	Color
R _Y B	69, 85, 125
Decimal	4545661
CIE Lab	38.55, 0.78, -21.29
CIE LCh	39, 21.306, 272.089
Yxy	10.4002, 0.2419, 0.2520
Android (android.graphics.Color)	4282735741 (0xFF455C7D)
YUV	88.8850, 17.8047, -17.4391
Hunter-Lab	32.2493, -1.1784, -15.8261

Details

The Yxy color **10.4002, 0.2419, 0.2520** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **14.2947, 0.3944, 0.3947**, and the grayscale version is **9.9274, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.5534, 0.2600, 0.2712**, and **2.6044, 0.2051, 0.2110** is the 20% darker color. If you saturate the color by 10%, you get **8.7756, 0.2258, 0.2309**, and if you desaturate by 10%, it is **12.2461, 0.2583, 0.2719**.

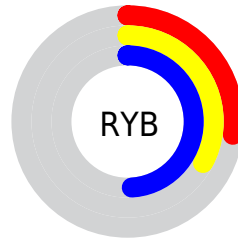
Distribution



Red (27%)

Green (36%)

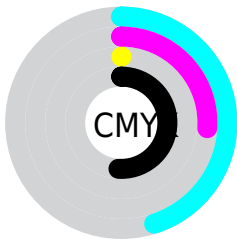
Blue (49%)



Red (27%)

Yellow (33%)

Blue (49%)

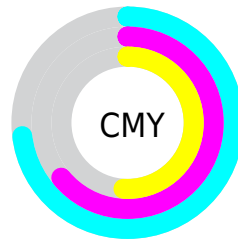


Cyan (45%)

Magenta (26%)

Yellow (0%)

Black (51%)



Cyan (73%)

Magenta (64%)

Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 10.4002, 0.2419, 0.2520 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 10.4002, 0.2419, 0.2520 by changing the saturation by 10% instead.

■ 10.4002, 0.2419,
0.2520

■ 10.4002, 0.2419,
0.2520

■ 193.5050, 0.2851,
0.2988

■ 5.6651, 0.2274,
0.2364

■ 26.5456, 0.2600,
0.2716

■ 2.6425, 0.2059,
0.2133

■ 38.7246, 0.2660,
0.2781

■ 0.9481, 0.1714,
0.1764

■ 54.1538, 0.2708,
0.2833

■ 0.0000, 0.0000,
0.0000

■ 73.2174, 0.2747,
0.2876

■ 96.3000, 0.2780,
0.2911

123.7858, 0.2807,

0.2941

156.0594, 0.2831,
0.2966

■ 10.4002, 0.2419,
0.2520

■ 10.4002, 0.2419,
0.2520

■ 8.7756, 0.2258,
0.2309

■ 12.2461, 0.2583,
0.2719

■ 7.3615, 0.2105,
0.2091

■ 14.3210, 0.2747,
0.2903

■ 6.1478, 0.1967,
0.1871

■ 16.6337, 0.2905,
0.3071

■ 5.1228, 0.1850,
0.1656

■ 19.1923, 0.3057,
0.3223

■ 4.2710, 0.1755,
0.1453

■ 22.0042, 0.3200,
0.3358

■ 3.8784, 0.1709,
0.1353

■ 25.0766, 0.3334,
0.3478

■ 28.4164, 0.3458,
0.3584

■ 32.0302, 0.3573,
0.3677

■ 35.9244, 0.3679,
0.3759

Harmonies

Analogous

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



10.4002, 0.2245, 0.2690



10.4002, 0.2419, 0.2520



10.4002, 0.2779, 0.2539

Triad

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



10.4002, 0.2419, 0.2520



10.4002, 0.4053, 0.3416



10.4002, 0.2939, 0.3972

Complementary

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



10.4002, 0.2419, 0.2520



14.2947, 0.3944, 0.3947

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.



10.4002, 0.3424, 0.4177



10.4002, 0.2419, 0.2520



10.4002, 0.4088, 0.3797

Square

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



10.4002, 0.2419, 0.2520



10.4002, 0.3741, 0.3035



10.4002, 0.3849, 0.4090



10.4002, 0.2525, 0.3532

Rectangle

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



10.4002, 0.2419, 0.2520



10.4002, 0.3094, 0.2646



10.4002, 0.3849, 0.4090



10.4002, 0.3099, 0.4073

Sweetspot

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



10.4006, 0.2419, 0.2520



30.4367, 0.2929, 0.3095



16.8881, 0.2756, 0.3824



6.7367, 0.2900, 0.3065



63.8283, 0.3127, 0.3290



8.3535, 0.3127, 0.3290

Same Dimension

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



10.4006, 0.2419, 0.2520



15.5770, 0.2250, 0.2298



7.1794, 0.2387, 0.1986



4.4792, 0.2993, 0.3160



4.0338, 0.1708, 0.1349



0.0000, 0.0000, 0.0000

Inverse Universe

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



9.3895, 0.3772, 0.2829



14.0031, 0.4007, 0.2730



19.1176, 0.3700, 0.4366



4.3713, 0.3219, 0.3202



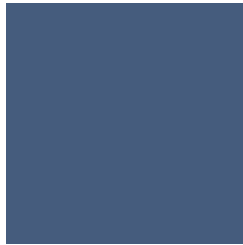
4.8017, 0.5260, 0.2671



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 10.4002, 0.2419, 0.2520 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 10.4002, 0.2419, 0.2520 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

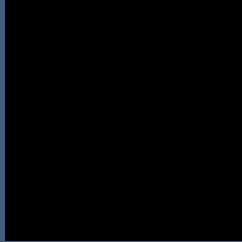
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.4002, 0.2419, 0.2520

Background



This preview shows how black text looks on a background with the Yxy color 10.4002, 0.2419, 0.2520.

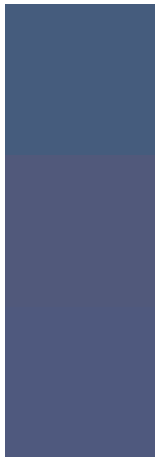


This preview shows how white text looks on a background with the Yxy color 10.4002, 0.2419, 0.2520.

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

10.4002, 0.2419, 0.2520

Protanopia

10.3241, 0.2568, 0.2516

Deuteranopia

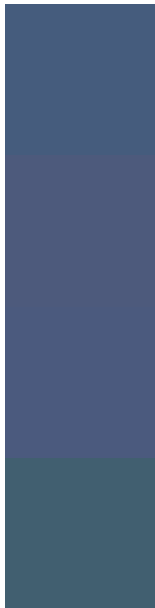
10.3134, 0.2512, 0.2453



Tritanopia

10.4220, 0.2583, 0.3083

Trichromacy



Original Color

10.4002, 0.2419, 0.2520

Protanomaly

10.3453, 0.2512, 0.2510

Deuteranomaly

10.3145, 0.2468, 0.2466

Tritanomaly

10.4781, 0.2517, 0.2867

Monochromacy



Original Color

10.4002, 0.2419, 0.2520

Achromatopsia

9.9899, 0.3127, 0.3290

Achromatomaly

10.0655, 0.2837, 0.2995

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.4002, 0.2419, 0.2520 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(69, 92, 125) looks like.

```
.text, #text, p{  
    color:rgb(69, 92, 125)  
}
```

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(69, 92, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 92, 125) }
```

Border

The CSS property to change the border of an element to Yxy 10.4002, 0.2419, 0.2520 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(69, 92, 125) }
```

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

```
.border{ border-color:rgb(69, 92, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 92, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 92, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 92, 125);  
box-shadow:4px 4px 4px 4px rgb(69, 92,  
125) }
```


Background

The CSS property to change the background color of an element to Yxy 10.4002, 0.2419, 0.2520 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 92, 125) }
```

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

```
.background{ background-color: rgb(69, 92,  
125) }
```

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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