

Converting Colors

$Yxy(12.5032, 0.2126, 0.2744)$

Have a look what the booklet for
Yxy(12.5032, 0.2126, 0.2744)
contains.

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Color

$Y_{xy}(12.4740, 0.2125, 0.2740)$

Conversions

Conversions Part 1

Format	Color
Hex	106C83
RGB	16, 108, 131
RGB Percent	6%, 42%, 51%
CMY	0.9372, 0.5765, 0.4862
CMYK	0.88, 0.18, 0.00, 0.49
HSL	192°, 78%, 29%
HSV	192°, 88%, 51%
XYZ	9.6742, 12.4740, 23.3774
YIQ	83.1140, -62.2150, -12.3510

Conversions

Conversions Part 2

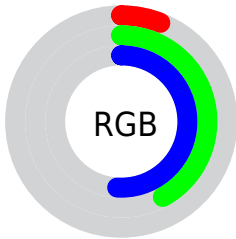
Format	Color
RYB	16, 67, 131
Decimal	1076355
CIELab	41.96, -16.38, -19.83
CIElCh	42, 25.716, 230.448
Yxy	12.4740, 0.2125, 0.2740
Android (android.graphics.Color)	4279266435 (0xFF106C83)
YUV	83.1140, 23.6078, -58.8590
Hunter-Lab	35.3186, -12.9142, -14.5211

Details

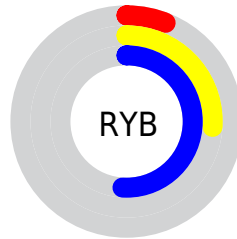
The Yxy color **12.4740, 0.2125, 0.2740** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **6.3184, 0.5761, 0.3575**, and the grayscale version is **8.6369, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.4871, 0.2363, 0.2896**, and **3.8409, 0.2020, 0.2472** is the 20% darker color. If you saturate the color by 10%, you get **11.8380, 0.2080, 0.2670**, and if you desaturate by 10%, it is **13.1887, 0.2185, 0.2811**.

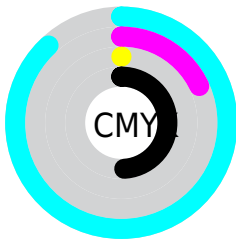
Distribution



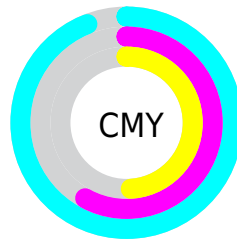
- Red (6%)
- Green (42%)
- Blue (51%)



- Red (6%)
- Yellow (26%)
- Blue (51%)



- Cyan (88%)
- Magenta (18%)
- Yellow (0%)
- Black (49%)



- Cyan (94%)
- Magenta (58%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.4740, 0.2125, 0.2740 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 12.4740, 0.2125, 0.2740 by changing the saturation by 10% instead.

12.4740, 0.2125,
0.2740

12.4740, 0.2125,
0.2740

207.5185, 0.2712,
0.3084

7.0674, 0.1944,
0.2620

30.3555, 0.2362,
0.2887

3.5043, 0.1689,
0.2438

43.5992, 0.2444,
0.2935

1.4003, 0.1312,
0.2139

60.2239, 0.2510,
0.2973

0.2170, 0.0000,
0.1084

80.6142, 0.2564,
0.3004

0.0000, 0.0000,
0.0000

105.1545, 0.2610,
0.3029

134.2290, 0.2649,

0.3051

168.2222, 0.2682,
0.3069

■ 12.4740, 0.2125,
0.2740

■ 12.4740, 0.2125,
0.2740

■ 11.8380, 0.2080,
0.2670

■ 13.1887, 0.2185,
0.2811

■ 11.6998, 0.2071,
0.2654

■ 14.0012, 0.2262,
0.2881

■ 14.9210, 0.2357,
0.2950

■ 15.9564, 0.2468,
0.3018

■ 17.1145, 0.2591,
0.3082

■ 18.4019, 0.2725,
0.3143

■ 19.8247, 0.2866,
0.3200

■ 21.3884, 0.3012,
0.3252

■ 23.0984, 0.3160,
0.3300

Harmonies

Analogous

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



12.4740, 0.2254, 0.3215



12.4740, 0.2125, 0.2740



12.4740, 0.2229, 0.2470

Triad

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



12.4740, 0.2125, 0.2740



12.4740, 0.3625, 0.2853



12.4740, 0.3659, 0.4297

Complementary

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



12.4740, 0.2125, 0.2740



6.3184, 0.5761, 0.3575

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.



12.4740, 0.4078, 0.4078



12.4740, 0.2125, 0.2740



12.4740, 0.4076, 0.3253

Square

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



12.4740, 0.2125, 0.2740



12.4740, 0.3055, 0.2556



12.4740, 0.4242, 0.3689



12.4740, 0.3119, 0.4205

Rectangle

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



12.4740, 0.2125, 0.2740



12.4740, 0.2423, 0.2411



12.4740, 0.4242, 0.3689



12.4740, 0.3819, 0.4252

Sweetspot

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



12.4744, 0.2125, 0.2740



33.2285, 0.2741, 0.3150



16.4949, 0.2915, 0.5528



7.5708, 0.2701, 0.3133



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



12.4744, 0.2125, 0.2740



20.7257, 0.2066, 0.2638



4.0758, 0.1737, 0.1293



5.1248, 0.2992, 0.3246



11.5167, 0.2071, 0.2654



0.0499, 0.2163, 0.2987

Inverse Universe

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



6.2809, 0.3681, 0.1887



10.4371, 0.3787, 0.1860



13.3255, 0.4663, 0.4539



4.7473, 0.3165, 0.3118



5.7496, 0.3772, 0.1851



0.0209, 0.3465, 0.1683

Previews

White Background



This preview shows how the Yxy color 12.4740, 0.2125, 0.2740 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 12.4740, 0.2125, 0.2740 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

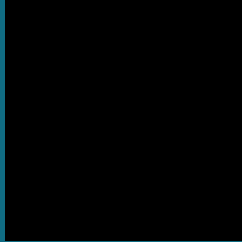
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.4740, 0.2125, 0.2740

Background



This preview shows how black text looks on a background with the Yxy color 12.4740, 0.2125, 0.2740.

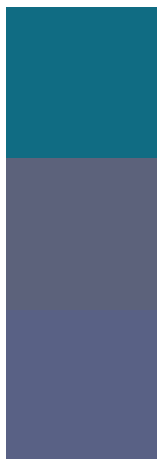


This preview shows how white text looks on a background with the Yxy color 12.4740, 0.2125, 0.2740.

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

12.4740, 0.2125, 0.2740

Protanopia

12.4407, 0.2729, 0.2747

Deuteranopia

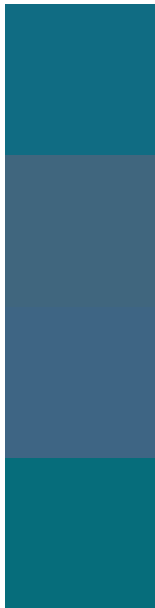
12.3667, 0.2582, 0.2529



Tritanopia

12.4599, 0.2190, 0.3085

Trichromacy



Original Color

12.4740, 0.2125, 0.2740

Protanomaly

12.0991, 0.2403, 0.2735

Deuteranomaly

11.9974, 0.2330, 0.2587

Tritanomaly

12.4061, 0.2162, 0.2941

Monochromacy



Original Color

12.4740, 0.2125, 0.2740

Achromatopsia

8.6500, 0.3127, 0.3290

Achromatomaly

9.5042, 0.2566, 0.3075

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.4740, 0.2125, 0.2740 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(16, 108, 131)` looks like.

```
.text, #text, p{  
    color:rgb(16, 108, 131)  
}
```

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(16, 108, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 108, 131) }
```

Border

The CSS property to change the border of an element to Yxy 12.4740, 0.2125, 0.2740 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(16, 108, 131) }
```

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

```
.border{ border-color:rgb(16, 108, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(16, 108, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 108, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 108, 131);  
box-shadow:4px 4px 4px 4px rgb(16, 108,  
131) }
```


Background

The CSS property to change the background color of an element to Yxy 12.4740, 0.2125, 0.2740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 108, 131) }
```

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

```
.background{ background-color: rgb(16, 108,  
131) }
```

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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