

Converting Colors

$Y_{xy}(40.9506, 0.2405, 0.2960)$

Have a look what the booklet for
Yxy(40.9506, 0.2405, 0.2960)
contains.

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Color

Yxy(41.0415, 0.2410, 0.2968)

Conversions

Conversions Part 1

Format	Color
Hex	65B7CD
RGB	101, 183, 205
RGB Percent	40%, 72%, 80%
CMY	0.6036, 0.2824, 0.1961
CMYK	0.51, 0.11, 0.00, 0.20
HSL	193°, 51%, 60%
HSV	193°, 51%, 80%
XYZ	33.3255, 41.0415, 63.9130
YIQ	160.9900, -55.9340, -10.5420

Conversions

Conversions Part 2

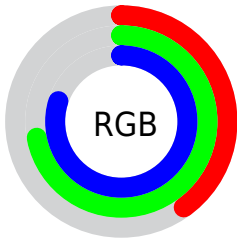
Format	Color
R _Y B	101, 147, 205
Decimal	6666189
CIE Lab	70.20, -19.00, -18.83
CIE LCh	70, 26.749, 224.741
Yxy	41.0415, 0.2410, 0.2968
Android (android.graphics.Color)	4284856269 (0xFF65B7CD)
YUV	160.9900, 21.6969, -52.6112
Hunter-Lab	64.0636, -19.2569, -14.3060

Details

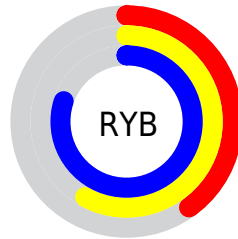
The Yxy color **41.0415, 0.2410, 0.2968** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **28.1053, 0.4401, 0.3573**, and the grayscale version is **35.5627, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.2221, 0.2570, 0.3108**, and **18.6310, 0.2211, 0.2860** is the 20% darker color. If you saturate the color by 10%, you get **38.2400, 0.2302, 0.2893**, and if you desaturate by 10%, it is **44.1965, 0.2533, 0.3040**.

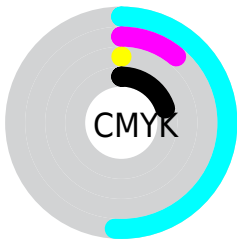
Distribution



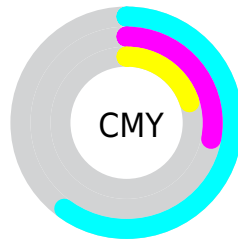
- Red (40%)
- Green (72%)
- Blue (80%)



- Red (40%)
- Yellow (58%)
- Blue (80%)



- Cyan (51%)
- Magenta (11%)
- Yellow (0%)
- Black (20%)



- Cyan (60%)
- Magenta (28%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.0415, 0.2410, 0.2968 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 41.0415, 0.2410, 0.2968 by changing the saturation by 10% instead.

41.0415, 0.2410,
0.2968

41.0415, 0.2410,
0.2968

350.4940, 0.2766,
0.3140

28.3515, 0.2323,
0.2922

76.7469, 0.2538,
0.3033

18.5908, 0.2212,
0.2862

100.5311, 0.2587,
0.3056

11.3750, 0.2067,
0.2779

128.7821, 0.2628,
0.3076

6.3196, 0.1871,
0.2659

161.8844, 0.2663,
0.3093

3.0404, 0.1592,
0.2472

200.2224, 0.2694,
0.3107

1.1529, 0.1144,
0.2162

244.1804, 0.2721,

0.0227, 0.0000,

0.3119

0.0160

294.1428, 0.2745,
0.3130

■ 0.0000, 0.0000,
0.0000

■ 41.0415, 0.2410,
0.2968

■ 41.0415, 0.2410,
0.2968

■ 38.2400, 0.2302,
0.2893

■ 44.1965, 0.2533,
0.3040

■ 35.7644, 0.2211,
0.2816

■ 47.7207, 0.2669,
0.3109

■ 33.5903, 0.2139,
0.2738

■ 51.6346, 0.2813,
0.3173

■ 31.6868, 0.2087,
0.2661

■ 55.9556, 0.2964,
0.3233

■ 30.1047, 0.2053,
0.2589

■ 60.6997, 0.3117,
0.3287

■ 65.8823, 0.3270,
0.3335

■ 71.5178, 0.3421,
0.3379

■ 75.6578, 0.3493,
0.3420

■ 77.9339, 0.3484,
0.3464

Harmonies

Analogous

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



41.0415, 0.2542, 0.3321



41.0415, 0.2410, 0.2968



41.0415, 0.2454, 0.2734

Triad

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



41.0415, 0.2410, 0.2968



41.0415, 0.3406, 0.2929



41.0415, 0.3579, 0.3980

Complementary

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



41.0415, 0.2410, 0.2968



28.1053, 0.4401, 0.3573

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.



41.0415, 0.3838, 0.3817



41.0415, 0.2410, 0.2968



41.0415, 0.3741, 0.3216

Square

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



41.0415, 0.2410, 0.2968



41.0415, 0.3008, 0.2729



41.0415, 0.3902, 0.3535



41.0415, 0.3207, 0.3944

Rectangle

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



41.0415, 0.2410, 0.2968



41.0415, 0.2578, 0.2664



41.0415, 0.3902, 0.3535



41.0415, 0.3682, 0.3944

Sweetspot

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



41.0431, 0.2410, 0.2968



88.3957, 0.2895, 0.3206



47.8296, 0.2938, 0.4576



18.5987, 0.2863, 0.3194



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



41.0431, 0.2410, 0.2968



62.1792, 0.2291, 0.2884



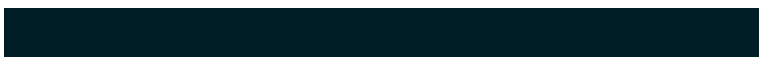
23.7521, 0.2255, 0.2170



12.3082, 0.2983, 0.3240



18.8863, 0.2056, 0.2600



1.0779, 0.2097, 0.2750

Inverse Universe

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



25.7208, 0.3432, 0.2300



35.5470, 0.3521, 0.2123



44.1200, 0.4046, 0.4188



11.3615, 0.3169, 0.3109



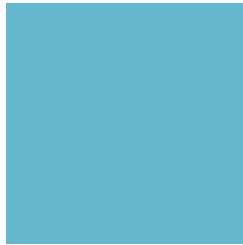
9.7096, 0.3824, 0.1880



0.5114, 0.3681, 0.1802

Previews

White Background



This preview shows how the Yxy color 41.0415, 0.2410, 0.2968 looks on a white background.

Color Contrast Check

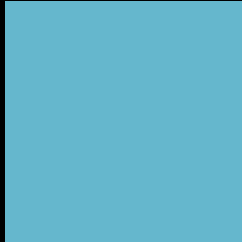
Large Text (above 18pt) WCAG AA × Fail

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 41.0415, 0.2410, 0.2968 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 ✓ Pass

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

Yxy 41.0415, 0.2410, 0.2968

Background



This preview shows how black text looks on a background with the Yxy color 41.0415, 0.2410, 0.2968.



This preview shows how white text looks on a background with the Yxy color 41.0415, 0.2410, 0.2968.

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

41.0415, 0.2410, 0.2968

Protanopia

40.4684, 0.2884, 0.2927

Deuteranopia

40.5163, 0.2810, 0.2753



Tritanopia

41.0571, 0.2434, 0.3066

Trichromacy



Original Color

41.0415, 0.2410, 0.2968

Protanomaly

40.1464, 0.2679, 0.2939

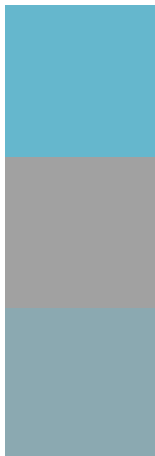
Deuteranomaly

40.3214, 0.2640, 0.2823

Tritanomaly

41.2074, 0.2429, 0.3038

Monochromacy



Original Color

41.0415, 0.2410, 0.2968

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

37.0392, 0.2805, 0.3170

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.0415, 0.2410, 0.2968 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(101, 183, 205)` looks like.

```
.text, #text, p{  
    color:rgb(101, 183, 205)  
}
```

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(101, 183, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 183, 205) }
```

Border

The CSS property to change the border of an element to Yxy 41.0415, 0.2410, 0.2968 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(101, 183, 205) }
```

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

```
.border{ border-color:rgb(101, 183, 205) }
```

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

Here you see how a box with a 4 pixel rgb(101, 183, 205) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 183, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 183, 205);  
box-shadow:4px 4px 4px 4px rgb(101, 183,  
205) }
```


Background

The CSS property to change the background color of an element to Yxy 41.0415, 0.2410, 0.2968 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 183, 205) }
```

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

```
.background{ background-color: rgb(101,  
183, 205) }
```

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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