

Converting Colors

$Yxy(41.6312, 0.2408, 0.2986)$

Have a look what the booklet for
Yxy(41.6312, 0.2408, 0.2986)
contains.

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Color

Yxy(41.8150, 0.2410, 0.2998)

Conversions

Conversions Part 1

Format	Color
Hex	64B9CD
RGB	100, 185, 205
RGB Percent	39%, 73%, 80%
CMY	0.6082, 0.2744, 0.1961
CMYK	0.51, 0.10, 0.00, 0.20
HSL	191°, 51%, 60%
HSV	191°, 51%, 80%
XYZ	33.6138, 41.8150, 64.0475
YIQ	161.8650, -57.0800, -11.8000

Conversions

Conversions Part 2

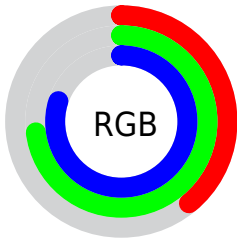
Format	Color
RYB	100, 147, 205
Decimal	6601165
CIELab	70.74, -20.31, -18.02
CIELCh	71, 27.148, 221.584
Yxy	41.8150, 0.2410, 0.2998
Android (android.graphics.Color)	4284791245 (0xFF64B9CD)
YUV	161.8650, 21.2656, -54.2556
Hunter-Lab	64.6645, -20.3754, -13.4591

Details

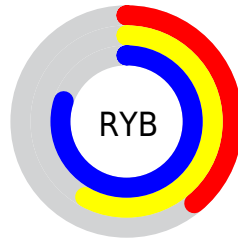
The Yxy color **41.8150, 0.2410, 0.2998** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **27.2961, 0.4440, 0.3547**, and the grayscale version is **35.9730, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.2987, 0.2568, 0.3131**, and **19.1302, 0.2214, 0.2902** is the 20% darker color. If you saturate the color by 10%, you get **39.1849, 0.2306, 0.2931**, and if you desaturate by 10%, it is **44.7868, 0.2530, 0.3063**.

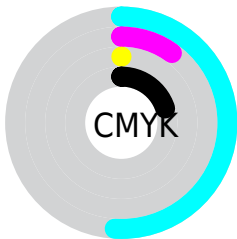
Distribution



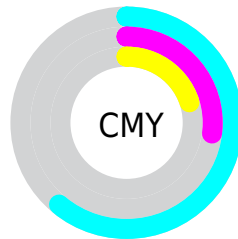
- Red (39%)
- Green (73%)
- Blue (80%)



- Red (39%)
- Yellow (58%)
- Blue (80%)



- Cyan (51%)
- Magenta (10%)
- Yellow (0%)
- Black (20%)





- Cyan (61%)
- Magenta (27%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.8150, 0.2410, 0.2998 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 41.8150, 0.2410, 0.2998 by changing the saturation by 10% instead.


 41.8150, 0.2410,
0.2998


 41.8150, 0.2410,
0.2998


353.7155, 0.2765,
0.3154

 28.9565, 0.2323,
0.2956


 77.9196, 0.2538,
0.3057


 19.0479, 0.2213,
0.2901


 101.9344, 0.2586,
0.3079

 11.7049, 0.2070,
0.2824


 130.4367, 0.2627,
0.3097

 6.5431, 0.1875,
0.2713

 163.8110, 0.2662,
0.3112

 3.1780, 0.1600,
0.2540

202.4416, 0.2693,
0.3125

 1.2254, 0.1165,
0.2249

246.7130, 0.2720,

 0.0823, 0.0000,

0.3136

0.0554

297.0095, 0.2744,
0.3146

0.0000, 0.0000,
0.0000

41.8150, 0.2410,
0.2998

41.8150, 0.2410,
0.2998

39.1849, 0.2306,
0.2931

44.7868, 0.2530,
0.3063

36.8689, 0.2219,
0.2862

48.1162, 0.2663,
0.3124

34.8425, 0.2152,
0.2793

51.8233, 0.2806,
0.3182

33.0746, 0.2103,
0.2725

55.9255, 0.2955,
0.3235

31.6933, 0.2074,
0.2665

60.4390, 0.3108,
0.3284

65.3790, 0.3261,
0.3328

70.7597, 0.3414,
0.3368

74.8700, 0.3496,
0.3405

76.8916, 0.3488,
0.3444

Harmonies

Analogous

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



41.8150, 0.2561, 0.3362



41.8150, 0.2410, 0.2998



41.8150, 0.2435, 0.2747

Triad

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



41.8150, 0.2410, 0.2998



41.8150, 0.3367, 0.2900



41.8150, 0.3617, 0.3977

Complementary

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



41.8150, 0.2410, 0.2998



27.2961, 0.4440, 0.3547

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.



41.8150, 0.3861, 0.3795



41.8150, 0.2410, 0.2998



41.8150, 0.3717, 0.3183

Square

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



41.8150, 0.2410, 0.2998



41.8150, 0.2967, 0.2710



41.8150, 0.3902, 0.3503



41.8150, 0.3249, 0.3964

Rectangle

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



41.8150, 0.2410, 0.2998



41.8150, 0.2549, 0.2665



41.8150, 0.3902, 0.3503



41.8150, 0.3717, 0.3934

Sweetspot

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



41.8166, 0.2410, 0.2998



88.9037, 0.2896, 0.3215



47.6955, 0.2946, 0.4621



18.7220, 0.2864, 0.3204



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.



41.8166, 0.2410, 0.2998



63.5848, 0.2291, 0.2920



23.9342, 0.2250, 0.2182



12.3506, 0.2983, 0.3245



19.8652, 0.2076, 0.2675



1.1206, 0.2113, 0.2808

Inverse Universe

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



25.5758, 0.3409, 0.2266



35.2250, 0.3492, 0.2082



43.2895, 0.4069, 0.4178



11.3658, 0.3166, 0.3104



9.8084, 0.3752, 0.1841



0.5157, 0.3627, 0.1772

Previews

White Background



This preview shows how the Yxy color 41.8150, 0.2410, 0.2998 looks on a white background.

Color Contrast Check

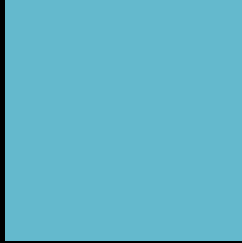
Large Text (above 18pt) WCAG AA × Fail

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 41.8150, 0.2410, 0.2998 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

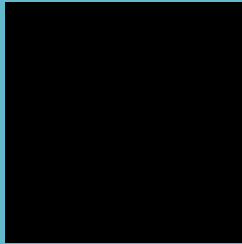
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.8150, 0.2410, 0.2998

Background



This preview shows how black text looks on a background with the Yxy color 41.8150, 0.2410, 0.2998.



This preview shows how white text looks on a background with the Yxy color 41.8150, 0.2410, 0.2998.

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

41.8150, 0.2410, 0.2998

Protanopia

41.4362, 0.2901, 0.2956

Deuteranopia

41.2666, 0.2827, 0.2758



Tritanopia

41.9315, 0.2425, 0.3068

Trichromacy



Original Color

41.8150, 0.2410, 0.2998

Protanomaly

41.0138, 0.2690, 0.2968

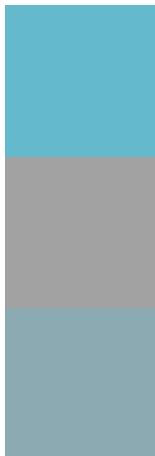
Deuteranomaly

40.8459, 0.2642, 0.2825

Tritanomaly

42.0347, 0.2424, 0.3054

Monochromacy



Original Color

41.8150, 0.2410, 0.2998

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

37.4528, 0.2799, 0.3171

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.8150, 0.2410, 0.2998 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(100, 185, 205)` looks like.

```
.text, #text, p{  
    color:rgb(100, 185, 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(100, 185, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 185, 205) }
```

Border

The CSS property to change the border of an element to Yxy 41.8150, 0.2410, 0.2998 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(100, 185, 205) }
```

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

```
.border{ border-color:rgb(100, 185, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 185, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 185, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 185, 205);  
box-shadow:4px 4px 4px 4px rgb(100, 185,  
205) }
```


Background

The CSS property to change the background color of an element to Yxy 41.8150, 0.2410, 0.2998 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 185, 205) }
```

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

```
.background{ background-color: rgb(100,  
185, 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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