

Converting Colors

$Yxy(41.7742, 0.2441, 0.3187)$

Have a look what the booklet for
Yxy(41.7742, 0.2441, 0.3187)
contains.

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Color

Yxy(41.7628, 0.2441, 0.3183)

Conversions

Conversions Part 1

Format	Color
Hex	5DBBC2
RGB	93, 187, 194
RGB Percent	36%, 73%, 76%
CMY	0.6350, 0.2667, 0.2392
CMYK	0.52, 0.04, 0.00, 0.24
HSL	184°, 45%, 56%
HSV	184°, 52%, 76%
XYZ	32.0273, 41.7628, 57.4156
YIQ	159.6920, -58.2710, -17.7510

Conversions

Conversions Part 2

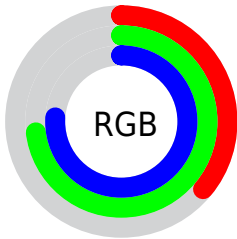
Format	Color
RYB	93, 142, 194
Decimal	6142914
CIELab	70.71, -25.80, -12.08
CIElCh	71, 28.493, 205.096
Yxy	41.7628, 0.2441, 0.3183
Android (android.graphics.Color)	4284332994 (0xFF5DBBC2)
YUV	159.6920, 16.9138, -58.4889
Hunter-Lab	64.6241, -24.6287, -7.4396

Details

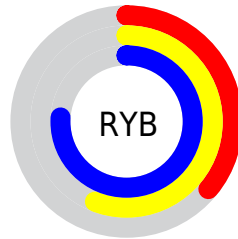
The Yxy color **41.7628, 0.2441, 0.3183** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted azure. A complement of this color would be **21.3915, 0.4558, 0.3386**, and the grayscale version is **34.9537, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.5826, 0.2567, 0.3209**, and **18.8881, 0.2251, 0.3139** is the 20% darker color. If you saturate the color by 10%, you get **40.3072, 0.2353, 0.3160**, and if you desaturate by 10%, it is **43.4838, 0.2546, 0.3206**.

Distribution



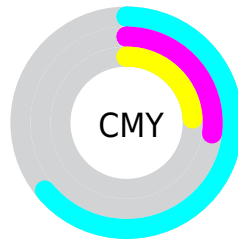
- Red (36%)
- Green (73%)
- Blue (76%)



- Red (36%)
- Yellow (56%)
- Blue (76%)



- Cyan (52%)
- Magenta (4%)
- Yellow (0%)
- Black (24%)



- Cyan (64%)
- Magenta (27%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.7628, 0.2441, 0.3183 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 41.7628, 0.2441, 0.3183 by changing the saturation by 10% instead.


 41.7628, 0.2441,
0.3183

 41.7628, 0.2441,
0.3183


353.4987, 0.2782,
0.3246

 28.9156, 0.2357,
0.3164


 77.8405, 0.2564,
0.3208


 19.0170, 0.2250,
0.3138


 101.8398, 0.2611,
0.3217

 11.6826, 0.2109,
0.3101


 130.3253, 0.2650,
0.3224

 6.5279, 0.1917,
0.3043

 163.6813, 0.2684,
0.3230

 3.1687, 0.1640,
0.2944

202.2922, 0.2713,
0.3235

 1.2204, 0.1131,
0.2779

246.5425, 0.2739,

 0.0783, 0.0000,

0.3239

0.0776

296.8165, 0.2762,
0.3243

■ 0.0000, 0.0000,
0.0000

■ 41.7628, 0.2441,
0.3183

■ 41.7628, 0.2441,
0.3183

■ 40.3072, 0.2353,
0.3160

■ 43.4838, 0.2546,
0.3206

■ 39.0923, 0.2284,
0.3136

■ 45.4832, 0.2667,
0.3228

■ 38.0971, 0.2234,
0.3112

■ 47.7788, 0.2801,
0.3249

■ 37.2945, 0.2203,
0.3089

■ 50.3853, 0.2945,
0.3268

■ 36.7518, 0.2186,
0.3071

■ 53.3169, 0.3096,
0.3287

■ 56.5865, 0.3251,
0.3303

■ 60.2064, 0.3408,
0.3318

■ 64.1883, 0.3565,
0.3331

■ 66.0600, 0.3616,
0.3344

Harmonies

Analogous

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



41.7628, 0.2691, 0.3589



41.7628, 0.2441, 0.3183



41.7628, 0.2366, 0.2845

Triad

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



41.7628, 0.2441, 0.3183



41.7628, 0.3145, 0.2758



41.7628, 0.3804, 0.3925

Complementary

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



41.7628, 0.2441, 0.3183



21.3915, 0.4558, 0.3386

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.



41.7628, 0.3951, 0.3657



41.7628, 0.2441, 0.3183



41.7628, 0.3559, 0.3006

Square

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



41.7628, 0.2441, 0.3183



41.7628, 0.2751, 0.2631



41.7628, 0.3862, 0.3326



41.7628, 0.3476, 0.4036

Rectangle

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



41.7628, 0.2441, 0.3183



41.7628, 0.2418, 0.2700



41.7628, 0.3862, 0.3326



41.7628, 0.3877, 0.3848

Sweetspot

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



41.7644, 0.2441, 0.3183



89.2125, 0.2883, 0.3260



41.8337, 0.3013, 0.4828



19.3202, 0.2853, 0.3256



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.



41.7644, 0.2441, 0.3183



72.7919, 0.2346, 0.3157



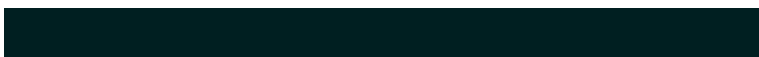
24.0627, 0.2279, 0.2366



11.3047, 0.2984, 0.3273



24.2108, 0.2187, 0.3074



1.0826, 0.2202, 0.3125

Inverse Universe

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



22.8984, 0.3265, 0.2128



35.5181, 0.3298, 0.1938



34.1597, 0.4166, 0.4045



10.2351, 0.3148, 0.3079



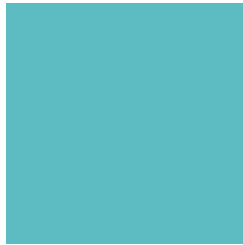
9.7263, 0.3390, 0.1641



0.4239, 0.3345, 0.1616

Previews

White Background



This preview shows how the Yxy color 41.7628, 0.2441, 0.3183 looks on a white background.

Color Contrast Check

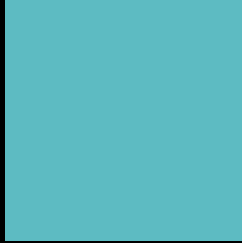
Large Text (above 18pt) WCAG AA × Fail

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 41.7628, 0.2441, 0.3183 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

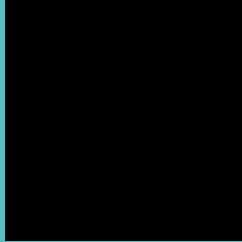
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

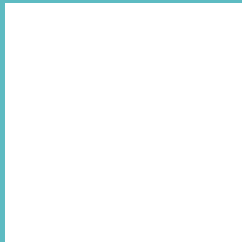
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.7628, 0.2441, 0.3183

Background



This preview shows how black text looks on a background with the Yxy color 41.7628, 0.2441, 0.3183.



This preview shows how white text looks on a background with the Yxy color 41.7628, 0.2441, 0.3183.

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

41.7628, 0.2441, 0.3183

Protanopia

41.3572, 0.3029, 0.3114

Deuteranopia

41.3126, 0.2952, 0.2897



Tritanopia

41.8217, 0.2415, 0.3067

Trichromacy



Original Color

41.7628, 0.2441, 0.3183

Protanomaly

40.9148, 0.2766, 0.3133

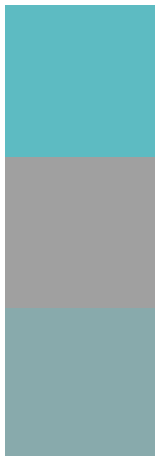
Deuteranomaly

40.8022, 0.2724, 0.2983

Tritanomaly

41.6279, 0.2426, 0.3110

Monochromacy



Original Color

41.7628, 0.2441, 0.3183

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

36.9622, 0.2819, 0.3259

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.7628, 0.2441, 0.3183 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(93, 187, 194)` looks like.

```
.text, #text, p{  
    color:rgb(93, 187, 194)  
}
```

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(93, 187, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 187, 194) }
```

Border

The CSS property to change the border of an element to Yxy 41.7628, 0.2441, 0.3183 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(93, 187, 194) }
```

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

```
.border{ border-color:rgb(93, 187, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 187, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 187, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 187, 194);  
box-shadow:4px 4px 4px 4px rgb(93, 187,  
194) }
```


Background

The CSS property to change the background color of an element to Yxy 41.7628, 0.2441, 0.3183 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 187, 194) }
```

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

```
.background{ background-color: rgb(93, 187,  
194) }
```

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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