

Converting Colors

$Y_{xy}(40.7494, 0.2392, 0.2831)$

Have a look what the booklet for
Yxy(40.7494, 0.2392, 0.2831)
contains.

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Color

Yxy(40.9776, 0.2392, 0.2834)

Conversions

Conversions Part 1

Format	Color
Hex	6BB5D5
RGB	107, 181, 213
RGB Percent	42%, 71%, 84%
CMY	0.5808, 0.2901, 0.1648
CMYK	0.50, 0.15, 0.00, 0.16
HSL	198°, 56%, 63%
HSV	198°, 50%, 84%
XYZ	34.5866, 40.9776, 69.0286
YIQ	162.5220, -54.3760, -5.7360

Conversions

Conversions Part 2

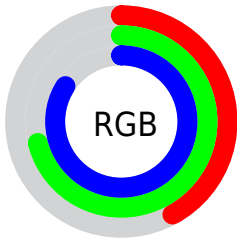
Format	Color
RYB	107, 151, 213
Decimal	7058901
CIELab	70.16, -14.41, -23.26
CIElCh	70, 27.364, 238.213
Yxy	40.9776, 0.2392, 0.2834
Android (android.graphics.Color)	4285248981 (0xFF6BB5D5)
YUV	162.5220, 24.8857, -48.6928
Hunter-Lab	64.0137, -15.5806, -19.1252

Details

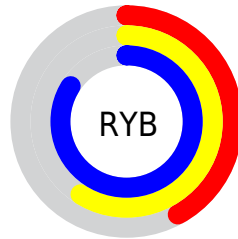
The Yxy color **40.9776, 0.2392, 0.2834** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **33.6298, 0.4308, 0.3686**, and the grayscale version is **36.2788, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.6809, 0.2596, 0.3087**, and **18.5113, 0.2193, 0.2694** is the 20% darker color. If you saturate the color by 10%, you get **37.2686, 0.2270, 0.2724**, and if you desaturate by 10%, it is **45.1349, 0.2527, 0.2939**.

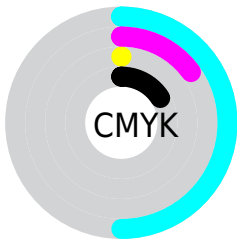
Distribution



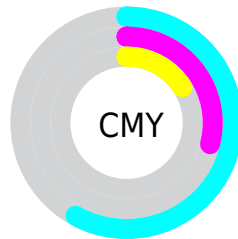
- Red (42%)
- Green (71%)
- Blue (84%)



- Red (42%)
- Yellow (59%)
- Blue (84%)



- Cyan (50%)
- Magenta (15%)
- Yellow (0%)
- Black (16%)



- Cyan (58%)
- Magenta (29%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.9776, 0.2392, 0.2834 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 40.9776, 0.2392, 0.2834 by changing the saturation by 10% instead.

■ 40.9776, 0.2392,
0.2834

■ 40.9776, 0.2392,
0.2834

■ 350.2270, 0.2756,
0.3071

■ 28.3016, 0.2303,
0.2773

■ 76.6499, 0.2523,
0.2922

■ 18.5531, 0.2191,
0.2693

■ 100.4149, 0.2573,
0.2954

■ 11.3478, 0.2044,
0.2586

■ 128.6451, 0.2615,
0.2982

■ 6.3013, 0.1846,
0.2434

■ 161.7249, 0.2651,
0.3005

■ 3.0291, 0.1569,
0.2208

■ 200.0385, 0.2682,
0.3025

■ 1.1470, 0.1154,
0.1846

■ 243.9705, 0.2710,

■ 0.0177, 0.0000,

0.3042

0.0097

293.9052, 0.2734,
0.3058

0.0000, 0.0000,
0.0000

40.9776, 0.2392,
0.2834

40.9776, 0.2392,
0.2834

37.2686, 0.2270,
0.2724

45.1349, 0.2527,
0.2939

33.9773, 0.2165,
0.2610

49.7594, 0.2672,
0.3039

31.0759, 0.2078,
0.2495

54.8739, 0.2823,
0.3131

28.5300, 0.2012,
0.2381

60.4985, 0.2976,
0.3215

26.2795, 0.1964,
0.2268

66.6519, 0.3130,
0.3291

■ 26.2384, 0.1963,
0.2266

■ 73.3517, 0.3281,
0.3360

■ 80.4264, 0.3421,
0.3421

■ 83.9812, 0.3411,
0.3485

■ 87.6681, 0.3401,
0.3547

Harmonies

Analogous

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



40.9776, 0.2447, 0.3149



40.9776, 0.2392, 0.2834



40.9776, 0.2516, 0.2665

Triad

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



40.9776, 0.2392, 0.2834



40.9776, 0.3582, 0.3045



40.9776, 0.3426, 0.4009

Complementary

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



40.9776, 0.2392, 0.2834



33.6298, 0.4308, 0.3686

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.



40.9776, 0.3755, 0.3924



40.9776, 0.2392, 0.2834



40.9776, 0.3857, 0.3360

Square

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



40.9776, 0.2392, 0.2834



40.9776, 0.3187, 0.2795



40.9776, 0.3919, 0.3678



40.9776, 0.3029, 0.3869

Rectangle

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



40.9776, 0.2392, 0.2834



40.9776, 0.2689, 0.2643



40.9776, 0.3919, 0.3678



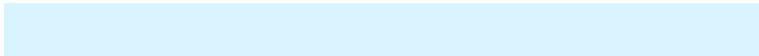
40.9776, 0.3548, 0.4004

Sweetspot

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



40.9791, 0.2392, 0.2834



86.3190, 0.2894, 0.3171



52.5580, 0.2881, 0.4391



18.0955, 0.2861, 0.3153



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.



40.9791, 0.2392, 0.2834



55.5956, 0.2261, 0.2715



23.3915, 0.2237, 0.2029



13.4467, 0.2982, 0.3218



16.2163, 0.1968, 0.2283



1.1202, 0.2022, 0.2477

Inverse Universe

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



27.9754, 0.3538, 0.2412



35.3611, 0.3664, 0.2254



52.8020, 0.3968, 0.4286



12.5660, 0.3183, 0.3128



9.9819, 0.4144, 0.2057



0.6164, 0.3945, 0.1947

Previews

White Background



This preview shows how the Yxy color 40.9776, 0.2392, 0.2834 looks on a white background.

Color Contrast Check

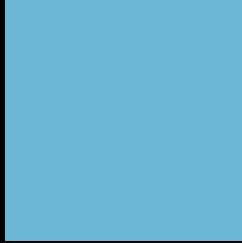
Large Text (above 18pt) WCAG AA × Fail

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 40.9776, 0.2392, 0.2834 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 40.9776, 0.2392, 0.2834

Background



This preview shows how black text looks on a background with the Yxy color 40.9776, 0.2392, 0.2834.

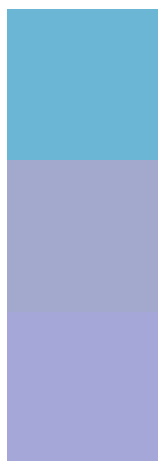


This preview shows how white text looks on a background with the Yxy color 40.9776, 0.2392, 0.2834.

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

40.9776, 0.2392, 0.2834

Protanopia

40.5702, 0.2793, 0.2811

Deuteranopia

40.4878, 0.2721, 0.2653



Tritanopia

41.1830, 0.2455, 0.3082

Trichromacy



Original Color

40.9776, 0.2392, 0.2834

Protanomaly

40.2808, 0.2626, 0.2809

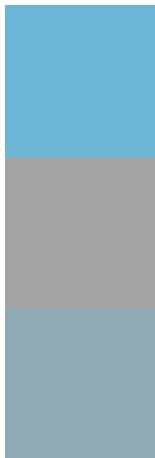
Deuteranomaly

40.2510, 0.2580, 0.2708

Tritanomaly

41.1218, 0.2436, 0.2997

Monochromacy



Original Color

40.9776, 0.2392, 0.2834

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

37.9253, 0.2809, 0.3129

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.9776, 0.2392, 0.2834 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(107, 181, 213)` looks like.

```
.text, #text, p{  
    color:rgb(107, 181, 213)  
}
```

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(107, 181, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 181, 213) }
```

Border

The CSS property to change the border of an element to Yxy 40.9776, 0.2392, 0.2834 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(107, 181, 213) }
```

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

```
.border{ border-color:rgb(107, 181, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 181, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 181, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 181, 213);  
box-shadow:4px 4px 4px 4px rgb(107, 181,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 40.9776, 0.2392, 0.2834 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 181, 213) }
```

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

```
.background{ background-color: rgb(107,  
181, 213) }
```

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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