

Converting Colors

$Y_{xy}(40.9426, 0.2547, 0.3086)$

Have a look what the booklet for
Yxy(40.9426, 0.2547, 0.3086)
contains.

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Color

Yxy(40.7698, 0.2550, 0.3084)

Conversions

Conversions Part 1

Format	Color
Hex	75B5C3
RGB	117, 181, 195
RGB Percent	46%, 71%, 76%
CMY	0.5411, 0.2902, 0.2353
CMYK	0.40, 0.07, 0.00, 0.24
HSL	191°, 39%, 61%
HSV	191°, 40%, 76%
XYZ	33.7104, 40.7698, 57.7176
YIQ	163.4600, -42.6380, -9.2140

Conversions

Conversions Part 2

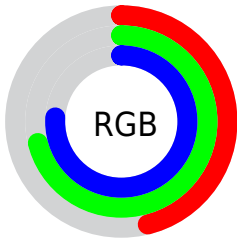
Format	Color
RYB	117, 152, 195
Decimal	7714243
CIELab	70.01, -16.83, -13.56
CIElCh	70, 21.611, 218.869
Yxy	40.7698, 0.2550, 0.3084
Android (android.graphics.Color)	4285904323 (0xFF75B5C3)
YUV	163.4600, 15.5492, -40.7454
Hunter-Lab	63.8512, -17.5001, -8.8986

Details

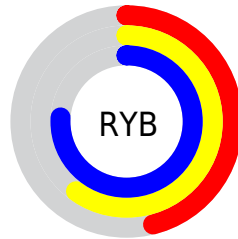
The Yxy color **40.7698, 0.2550, 0.3084** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **29.1190, 0.4046, 0.3482**, and the grayscale version is **36.7965, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.3673, 0.2651, 0.3121**, and **18.4182, 0.2390, 0.3020** is the 20% darker color. If you saturate the color by 10%, you get **38.1534, 0.2429, 0.3024**, and if you desaturate by 10%, it is **43.7065, 0.2683, 0.3141**.

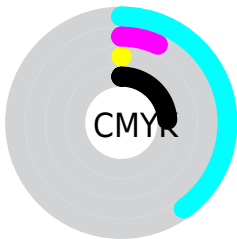
Distribution



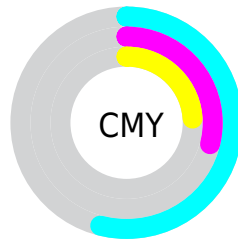
- Red (46%)
- Green (71%)
- Blue (76%)



- Red (46%)
- Yellow (60%)
- Blue (76%)



- Cyan (40%)
- Magenta (7%)
- Yellow (0%)
- Black (24%)




- Cyan (54%)
- Magenta (29%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.7698, 0.2550, 0.3084 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 40.7698, 0.2550, 0.3084 by changing the saturation by 10% instead.


 40.7698, 0.2550,
0.3084

 40.7698, 0.2550,
0.3084


349.3576, 0.2839,
0.3195


 28.1393, 0.2478,
0.3054

 76.3343, 0.2655,
0.3126

 18.4307, 0.2386,
0.3014


 100.0371, 0.2694,
0.3141

 11.2596, 0.2264,
0.2958


 128.1994, 0.2728,
0.3154

 6.2417, 0.2095,
0.2876

161.2056, 0.2756,
0.3165

 2.9926, 0.1849,
0.2745

199.4401, 0.2781,
0.3174

 1.1279, 0.1434,
0.2516

243.2874, 0.2803,

 0.0016, 0.0000,

0.3182

0.0017

293.1317, 0.2822,
0.3189

0.0000, 0.0000,
0.0000

40.7698, 0.2550,
0.3084

40.7698, 0.2550,
0.3084

38.1534, 0.2429,
0.3024

43.7065, 0.2683,
0.3141

35.8345, 0.2324,
0.2961

46.9749, 0.2826,
0.3195

33.7950, 0.2237,
0.2897


50.5919, 0.2975,
0.3245


32.0123, 0.2168,
0.2832


54.5715, 0.3127,
0.3290


30.4598, 0.2119,
0.2768

58.9271, 0.3281,
0.3331


 29.0860, 0.2085,
0.2704

 63.6711, 0.3433,
0.3368

 29.0849, 0.2085,
0.2704

 68.8156, 0.3582,
0.3400

 70.7954, 0.3585,
0.3435

 72.5309, 0.3577,
0.3471

Harmonies

Analogous

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



40.7698, 0.2688, 0.3379



40.7698, 0.2550, 0.3084



40.7698, 0.2557, 0.2867

Triad

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



40.7698, 0.2550, 0.3084



40.7698, 0.3293, 0.2955



40.7698, 0.3547, 0.3834

Complementary

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



40.7698, 0.2550, 0.3084



29.1190, 0.4046, 0.3482

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.



40.7698, 0.3727, 0.3684



40.7698, 0.2550, 0.3084



40.7698, 0.3579, 0.3183

Square

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



40.7698, 0.2550, 0.3084



40.7698, 0.2972, 0.2808



40.7698, 0.3741, 0.3445



40.7698, 0.3258, 0.3833

Rectangle

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



40.7698, 0.2550, 0.3084



40.7698, 0.2642, 0.2790



40.7698, 0.3741, 0.3445



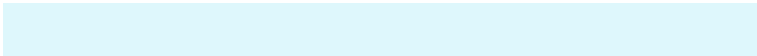
40.7698, 0.3623, 0.3798

Sweetspot

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



40.7714, 0.2550, 0.3084



89.1418, 0.2942, 0.3234



44.4218, 0.2987, 0.4297



19.3280, 0.2922, 0.3228



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.



40.7714, 0.2550, 0.3084



68.8938, 0.2444, 0.3031



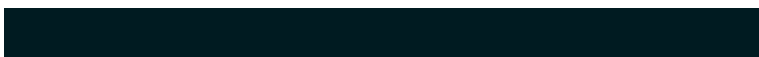
27.3692, 0.2459, 0.2491



11.1111, 0.2984, 0.3248



19.0169, 0.2087, 0.2713



0.9038, 0.2126, 0.2855

Inverse Universe

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



27.6628, 0.3323, 0.2471



42.8390, 0.3378, 0.2303



41.2615, 0.3842, 0.3973



10.2155, 0.3164, 0.3103



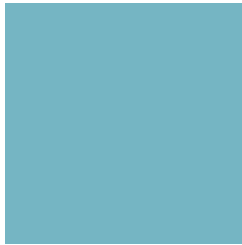
9.2020, 0.3716, 0.1821



0.4059, 0.3584, 0.1748

Previews

White Background



This preview shows how the Yxy color 40.7698, 0.2550, 0.3084 looks on a white background.

Color Contrast Check

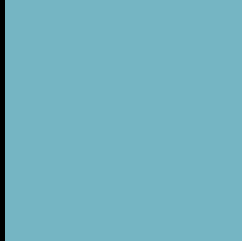
Large Text (above 18pt) WCAG AA × Fail

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 40.7698, 0.2550, 0.3084 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

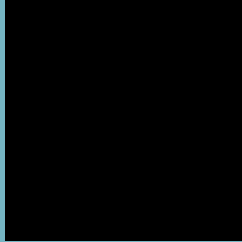
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.7698, 0.2550, 0.3084

Background



This preview shows how black text looks on a background with the Yxy color 40.7698, 0.2550, 0.3084.



This preview shows how white text looks on a background with the Yxy color 40.7698, 0.2550, 0.3084.

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

40.7698, 0.2550, 0.3084

Protanopia

40.2886, 0.2971, 0.3045

Deuteranopia

40.3483, 0.2935, 0.2868



Tritanopia

40.7698, 0.2550, 0.3084

Trichromacy



Original Color

40.7698, 0.2550, 0.3084

Protanomaly

39.9944, 0.2794, 0.3050

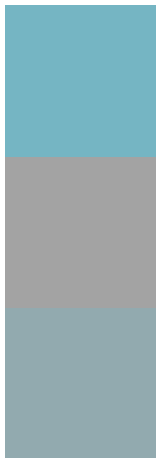
Deuteranomaly

39.9293, 0.2773, 0.2931

Tritanomaly

40.7698, 0.2550, 0.3084

Monochromacy



Original Color

40.7698, 0.2550, 0.3084

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

37.9556, 0.2878, 0.3216

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.7698, 0.2550, 0.3084 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(117, 181, 195)` looks like.

```
.text, #text, p{  
    color:rgb(117, 181, 195)  
}
```

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(117, 181, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 181, 195) }
```

Border

The CSS property to change the border of an element to Yxy 40.7698, 0.2550, 0.3084 is called "border". The border property can be set on classes, ids or directly on the HTML element.

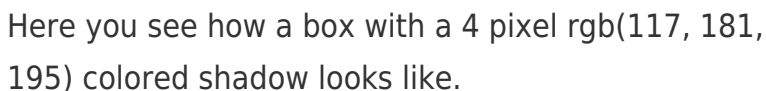
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(117, 181, 195) }
```

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

```
.border{ border-color:rgb(117, 181, 195) }
```

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



Here you see how a box with a 4 pixel `rgb(117, 181, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 181, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 181, 195);  
box-shadow:4px 4px 4px 4px rgb(117, 181,  
195) }
```


Background

The CSS property to change the background color of an element to Yxy 40.7698, 0.2550, 0.3084 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 181, 195) }
```

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

```
.background{ background-color: rgb(117,  
181, 195) }
```

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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