

Converting Colors

$Y_{xy}(40.2412, 0.2793, 0.3530)$

Have a look what the booklet for
Yxy(40.2412, 0.2793, 0.3530)
contains.

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Color

Yxy(40.1243, 0.2798, 0.3533)

Conversions

Conversions Part 1

Format	Color
Hex	7DB5A5
RGB	125, 181, 165
RGB Percent	49%, 71%, 65%
CMY	0.5097, 0.2902, 0.3529
CMYK	0.31, 0.00, 0.09, 0.29
HSL	163°, 27%, 60%
HSV	163°, 31%, 71%
XYZ	31.7769, 40.1243, 41.6689
YIQ	162.4320, -28.2400, -16.8480

Conversions

Conversions Part 2

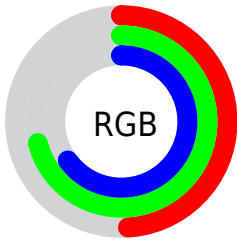
Format	Color
RYB	125, 158, 181
Decimal	8238501
CIELab	69.56, -21.76, 2.31
CIELCh	70, 21.881, 173.942
Yxy	40.1243, 0.2798, 0.3533
Android (android.graphics.Color)	4286428581 (0xFF7DB5A5)
YUV	162.4320, 1.2660, -32.8279
Hunter-Lab	63.3437, -21.3056, 5.3384

Details

The Yxy color **40.1243, 0.2798, 0.3533** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **26.4240, 0.3616, 0.3062**, and the grayscale version is **36.3526, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.3194, 0.2859, 0.3485**, and **18.0471, 0.2695, 0.3617** is the 20% darker color. If you saturate the color by 10%, you get **38.7005, 0.2708, 0.3626**, and if you desaturate by 10%, it is **41.8072, 0.2898, 0.3447**.

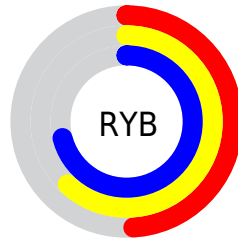
Distribution



Red (49%)

Green (71%)

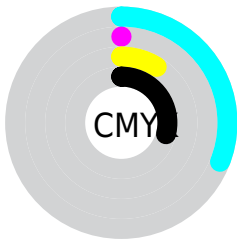
Blue (65%)



Red (49%)

Yellow (62%)

Blue (71%)

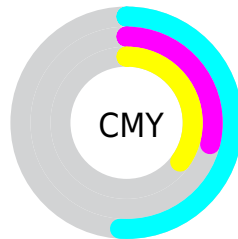


Cyan (31%)

Magenta (0%)

Yellow (9%)

Black (29%)



Cyan (51%)


Magenta (29%)

Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.1243, 0.2798, 0.3533 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 40.1243, 0.2798, 0.3533 by changing the saturation by 10% instead.


 40.1243, 0.2798,
0.3533


 40.1243, 0.2798,
0.3533


346.6472, 0.2967,
0.3407


 27.6355, 0.2754,
0.3566


 75.3528, 0.2861,
0.3486

 18.0511, 0.2697,
0.3609


 98.8612, 0.2884,
0.3469

 10.9866, 0.2620,
0.3668


 126.8116, 0.2903,
0.3455

 6.0579, 0.2509,
0.3754

159.5884, 0.2920,
0.3442

 2.8803, 0.2336,
0.3890

197.5759, 0.2934,
0.3432

 1.0696, 0.1872,
0.4219

241.1587, 0.2946,

 0.0000, 0.0000,

0.3422

0.0000

290.7209, 0.2957,
0.3414

■ 40.1243, 0.2798,
0.3533

■ 40.1243, 0.2798,
0.3533

■ 38.7005, 0.2708,
0.3626

■ 41.8072, 0.2898,
0.3447

■ 37.5174, 0.2632,
0.3724

■ 43.7569, 0.3005,
0.3368

■ 36.5616, 0.2572,
0.3827


■ 45.9868, 0.3117,
0.3296

■ 35.8168, 0.2529,
0.3933

■ 48.5078, 0.3231,
0.3232

■ 35.2639, 0.2506,
0.4041


■ 51.3304, 0.3345,
0.3175

 34.8808, 0.2503,
0.4148

 54.4644, 0.3459,
0.3124

 34.6386, 0.2512,
0.4244

 57.9194, 0.3570,
0.3079

 58.7813, 0.3553,
0.3029

 59.0375, 0.3508,
0.2976

Harmonies

Analogous

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



40.1243, 0.3097, 0.3776



40.1243, 0.2798, 0.3533



40.1243, 0.2592, 0.3224

Triad

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



40.1243, 0.2798, 0.3533



40.1243, 0.2824, 0.2766



40.1243, 0.3768, 0.3577

Complementary

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



40.1243, 0.2798, 0.3533



26.4240, 0.3616, 0.3062

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.



40.1243, 0.3691, 0.3314



40.1243, 0.2798, 0.3533



40.1243, 0.3131, 0.2862

Square

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



40.1243, 0.2798, 0.3533



40.1243, 0.2607, 0.2795



40.1243, 0.3453, 0.3058



40.1243, 0.3664, 0.3784

Rectangle

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



40.1243, 0.2798, 0.3533



40.1243, 0.2531, 0.3035



40.1243, 0.3453, 0.3058



40.1243, 0.3763, 0.3492

Sweetspot

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



40.1259, 0.2798, 0.3533



79.0397, 0.3024, 0.3355



40.2633, 0.3227, 0.4144



16.9656, 0.3009, 0.3365



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



40.1259, 0.2798, 0.3533



70.1078, 0.2737, 0.3594



36.3751, 0.2671, 0.3119



9.5893, 0.3023, 0.3356



23.8925, 0.2509, 0.4231



0.7612, 0.2427, 0.3936

Inverse Universe

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



26.4240, 0.3616, 0.3062



41.7125, 0.3767, 0.3011



28.9779, 0.3765, 0.3453



8.5439, 0.3244, 0.3225



6.9521, 0.5777, 0.2956



0.2291, 0.4971, 0.2512

Previews

White Background



This preview shows how the Yxy color 40.1243, 0.2798, 0.3533 looks on a white background.

Color Contrast Check

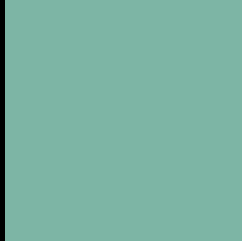
Large Text (above 18pt) WCAG AA × Fail

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 40.1243, 0.2798, 0.3533 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

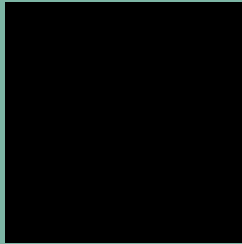
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

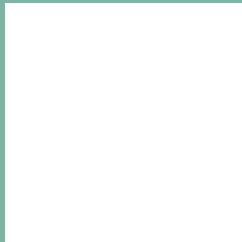
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.1243, 0.2798, 0.3533

Background



This preview shows how black text looks on a background with the Yxy color 40.1243, 0.2798, 0.3533.



This preview shows how white text looks on a background with the Yxy color 40.1243, 0.2798, 0.3533.

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

40.1243, 0.2798, 0.3533

Protanopia

39.9585, 0.3278, 0.3443

Deuteranopia

39.8546, 0.3291, 0.3224



Tritanopia

40.0312, 0.2659, 0.3086

Trichromacy



Original Color

40.1243, 0.2798, 0.3533

Protanomaly

39.6284, 0.3084, 0.3463

Deuteranomaly

39.4691, 0.3090, 0.3318

Tritanomaly

39.8853, 0.2706, 0.3230

Monochromacy



Original Color

40.1243, 0.2798, 0.3533

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

37.4098, 0.2998, 0.3379

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.1243, 0.2798, 0.3533 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(125, 181, 165)` looks like.

```
.text, #text, p{  
    color:rgb(125, 181, 165)  
}
```

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(125, 181, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 181, 165) }
```

Border

The CSS property to change the border of an element to Yxy 40.1243, 0.2798, 0.3533 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(125, 181, 165) }
```

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

```
.border{ border-color:rgb(125, 181, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 181, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 181, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 181, 165);  
box-shadow:4px 4px 4px 4px rgb(125, 181,  
165) }
```


Background

The CSS property to change the background color of an element to Yxy 40.1243, 0.2798, 0.3533 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 181, 165) }
```

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

```
.background{ background-color: rgb(125,  
181, 165) }
```

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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