

Converting Colors

$Y_{xy}(41.5505, 0.2563, 0.3784)$

Have a look what the booklet for
Yxy(41.5505, 0.2563, 0.3784)
contains.

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Color

Yxy(41.4126, 0.2562, 0.3773)

Conversions

Conversions Part 1

Format	Color
Hex	4DBFA1
RGB	77, 191, 161
RGB Percent	30%, 75%, 63%
CMY	0.6982, 0.2509, 0.3686
CMYK	0.60, 0.00, 0.16, 0.25
HSL	164°, 47%, 53%
HSV	164°, 60%, 75%
XYZ	28.1206, 41.4126, 40.2272
YIQ	153.4940, -58.3140, -33.4980

Conversions

Conversions Part 2

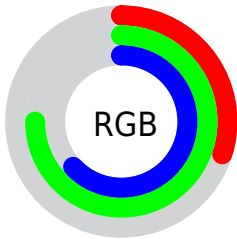
Format	Color
RYB	77, 143, 191
Decimal	5095329
CIELab	70.46, -39.52, 5.57
CIElCh	70, 39.910, 171.984
Yxy	41.4126, 0.2562, 0.3773
Android (android.graphics.Color)	4283285409 (0xFF4DBFA1)
YUV	153.4940, 3.7005, -67.0852
Hunter-Lab	64.3526, -34.6167, 7.9843

Details

The Yxy color **41.4126, 0.2562, 0.3773** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **17.4385, 0.4459, 0.2902**, and the grayscale version is **32.0790, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.3269, 0.2667, 0.3676**, and **19.0171, 0.2421, 0.3915** is the 20% darker color. If you saturate the color by 10%, you get **40.5598, 0.2516, 0.3870**, and if you desaturate by 10%, it is **42.5090, 0.2626, 0.3679**.

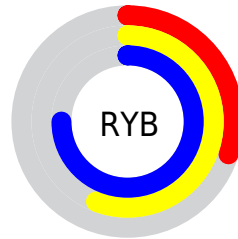
Distribution



Red (30%)

Green (75%)

Blue (63%)



Red (30%)

Yellow (56%)

Blue (75%)

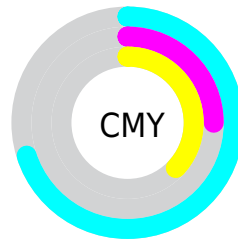


Cyan (60%)

Magenta (0%)

Yellow (16%)

Black (25%)



Cyan (70%)


Magenta (25%)

Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.4126, 0.2562, 0.3773 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 41.4126, 0.2562, 0.3773 by changing the saturation by 10% instead.


 41.4126, 0.2562,
0.3773


 41.4126, 0.2562,
0.3773


352.0421, 0.2852,
0.3521

 28.6416, 0.2488,
0.3839


 77.3098, 0.2669,
0.3679


 18.8099, 0.2391,
0.3927


 101.2049, 0.2708,
0.3644

 11.5330, 0.2260,
0.4047


 129.5768, 0.2742,
0.3615

 6.4265, 0.2075,
0.4221

 162.8098, 0.2770,
0.3591

 3.1061, 0.1793,
0.4498

201.2885, 0.2795,
0.3570

 1.1874, 0.0621,
0.5407

245.3972, 0.2816,

 0.0514, 0.0000,

0.3551

1.0000

295.5203, 0.2835,
0.3535

■ 0.0000, 0.0000,
0.0000

■ 41.4126, 0.2562,
0.3773

■ 41.4126, 0.2562,
0.3773

■ 40.5598, 0.2516,
0.3870

■ 42.5090, 0.2626,
0.3679

■ 39.9245, 0.2489,
0.3968

■ 43.8626, 0.2707,
0.3589

■ 39.4834, 0.2482,
0.4067

■ 45.4920, 0.2800,
0.3504

■ 39.1890, 0.2491,
0.4164

■ 47.4123, 0.2904,
0.3426

■ 39.1812, 0.2491,
0.4167

■ 49.6379, 0.3015,
0.3354

■ 52.1820, 0.3130,
0.3288

■ 55.0569, 0.3249,
0.3230

■ 58.2746, 0.3367,
0.3177

■ 61.8461, 0.3484,
0.3131

Harmonies

Analogous

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



41.4126, 0.3087, 0.4230



41.4126, 0.2562, 0.3773



41.4126, 0.2209, 0.3180

Triad

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



41.4126, 0.2562, 0.3773



41.4126, 0.2554, 0.2388



41.4126, 0.4286, 0.3723

Complementary

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



41.4126, 0.2562, 0.3773



17.4385, 0.4459, 0.2902

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.



41.4126, 0.4132, 0.3272



41.4126, 0.2562, 0.3773



41.4126, 0.3081, 0.2543

Square

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



41.4126, 0.2562, 0.3773



41.4126, 0.2209, 0.2431



41.4126, 0.3673, 0.2856



41.4126, 0.4096, 0.4122

Rectangle

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



41.4126, 0.2562, 0.3773



41.4126, 0.2102, 0.2836



41.4126, 0.3673, 0.2856



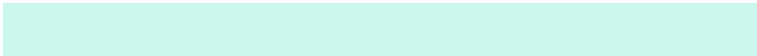
41.4126, 0.4274, 0.3574

Sweetspot

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



41.4142, 0.2562, 0.3773



85.4430, 0.2919, 0.3415



40.9490, 0.3237, 0.5083



18.5226, 0.2887, 0.3437



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



41.4142, 0.2562, 0.3773



72.2035, 0.2504, 0.3904



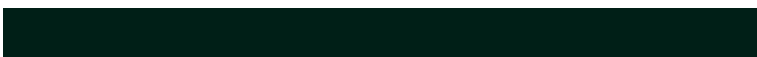
32.0299, 0.2305, 0.2861



10.7655, 0.3019, 0.3351



25.7605, 0.2487, 0.4154



1.0193, 0.2422, 0.3921

Inverse Universe

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



17.4385, 0.4459, 0.2902



25.3896, 0.4957, 0.2875



21.4252, 0.4713, 0.3641



9.5765, 0.3248, 0.3230



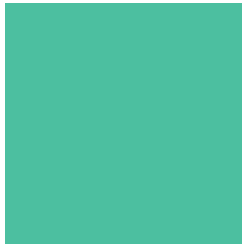
7.4436, 0.5860, 0.3002



0.3028, 0.5157, 0.2614

Previews

White Background



This preview shows how the Yxy color 41.4126, 0.2562, 0.3773 looks on a white background.

Color Contrast Check

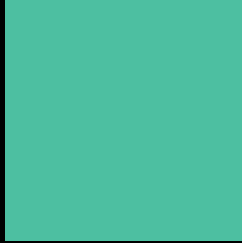
Large Text (above 18pt) WCAG AA × Fail

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 41.4126, 0.2562, 0.3773 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 41.4126, 0.2562, 0.3773

Background



This preview shows how black text looks on a background with the Yxy color 41.4126, 0.2562, 0.3773.



This preview shows how white text looks on a background with the Yxy color 41.4126, 0.2562, 0.3773.

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

41.4126, 0.2562, 0.3773

Protanopia

40.9115, 0.3383, 0.3580

Deuteranopia

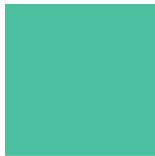
40.5191, 0.3336, 0.3264



Tritanopia

41.0922, 0.2394, 0.3065

Trichromacy



Original Color

41.4126, 0.2562, 0.3773



Protanomaly

39.9247, 0.3009, 0.3650



Deuteranomaly

39.2846, 0.2974, 0.3422



Tritanomaly

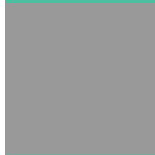
41.0643, 0.2451, 0.3303

Monochromacy



Original Color

41.4126, 0.2562, 0.3773



Achromatopsia

31.8547, 0.3127, 0.3290



Achromatomaly

34.3977, 0.2848, 0.3465

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.4126, 0.2562, 0.3773 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(77, 191, 161)` looks like.

```
.text, #text, p{  
    color:rgb(77, 191, 161)  
}
```

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(77, 191, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 191, 161) }
```

Border

The CSS property to change the border of an element to Yxy 41.4126, 0.2562, 0.3773 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(77, 191, 161) }
```

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

```
.border{ border-color:rgb(77, 191, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 191, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 191, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 191, 161);  
box-shadow:4px 4px 4px 4px rgb(77, 191,  
161) }
```


Background

The CSS property to change the background color of an element to Yxy 41.4126, 0.2562, 0.3773 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 191, 161) }
```

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

```
.background{ background-color: rgb(77, 191,  
161) }
```

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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