

Converting Colors

$Y_{xy}(41.5230, 0.2531, 0.3605)$

Have a look what the booklet for
Yxy(41.5230, 0.2531, 0.3605)
contains.

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Color

Yxy(41.5230, 0.2531, 0.3605)

Conversions

Conversions Part 1

Format	Color
Hex	52BEAA
RGB	82, 190, 170
RGB Percent	32%, 75%, 67%
CMY	0.6782, 0.2549, 0.3333
CMYK	0.57, 0.00, 0.11, 0.25
HSL	169°, 45%, 53%
HSV	169°, 57%, 75%
XYZ	29.1525, 41.5230, 44.5062
YIQ	155.4280, -57.9480, -29.1160

Conversions

Conversions Part 2

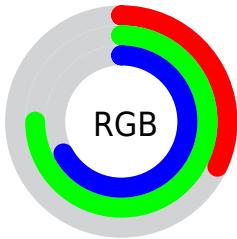
Format	Color
RYB	82, 142, 190
Decimal	5422762
CIELab	70.54, -35.82, 0.78
CIELCh	71, 35.833, 178.753
Yxy	41.5230, 0.2531, 0.3605
Android (android.graphics.Color)	4283612842 (0xFF52BEAA)
YUV	155.4280, 7.1840, -64.3964
Hunter-Lab	64.4383, -32.0121, 4.1565

Details

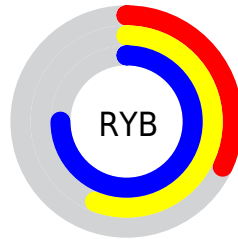
The Yxy color **41.5230, 0.2531, 0.3605** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **17.9520, 0.4499, 0.3029**, and the grayscale version is **32.9726, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.5332, 0.2641, 0.3551**, and **18.9163, 0.2361, 0.3699** is the 20% darker color. If you saturate the color by 10%, you get **40.6553, 0.2473, 0.3671**, and if you desaturate by 10%, it is **42.6334, 0.2607, 0.3541**.

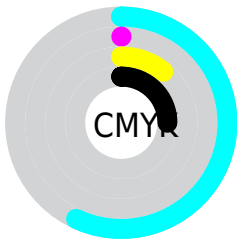
Distribution



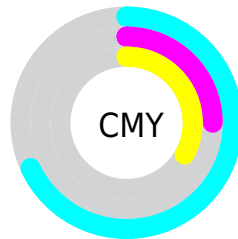
- Red (32%)
- Green (75%)
- Blue (67%)



- Red (32%)
- Yellow (56%)
- Blue (75%)



- Cyan (57%)
- Magenta (0%)
- Yellow (11%)
- Black (25%)





- Cyan (68%)
- Magenta (25%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.5230, 0.2531, 0.3605 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 41.5230, 0.2531, 0.3605 by changing the saturation by 10% instead.


 41.5230, 0.2531,
0.3605

 41.5230, 0.2531,
0.3605


352.5018, 0.2833,
0.3445

 28.7280, 0.2455,
0.3646


 77.4772, 0.2642,
0.3546

 18.8751, 0.2356,
0.3699


 101.4051, 0.2683,
0.3524

 11.5801, 0.2224,
0.3770


 129.8129, 0.2718,
0.3506

 6.4584, 0.2038,
0.3870

 163.0847, 0.2748,
0.3490

 3.1258, 0.1762,
0.4021

201.6052, 0.2773,
0.3476

 1.1978, 0.0878,
0.4484

245.7586, 0.2796,

 0.0599, 0.0000,

0.3465

0.8489

295.9293, 0.2816,
0.3454

0.0000, 0.0000,
0.0000

41.5230, 0.2531,
0.3605

41.5230, 0.2531,
0.3605

40.6553, 0.2473,
0.3671

42.6334, 0.2607,
0.3541

40.0054, 0.2435,
0.3737

43.9993, 0.2698,
0.3480

39.5515, 0.2415,
0.3804

45.6384, 0.2803,
0.3423

39.2622, 0.2413,
0.3870

47.5654, 0.2918,
0.3370

39.1851, 0.2414,
0.3891

49.7940, 0.3041,
0.3321

■ 52.3370, 0.3168,
0.3276

■ 55.2064, 0.3298,
0.3236

■ 58.4136, 0.3429,
0.3201

■ 61.9695, 0.3558,
0.3170

Harmonies

Analogous

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



41.5230, 0.2981, 0.4056



41.5230, 0.2531, 0.3605



41.5230, 0.2252, 0.3085

Triad

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



41.5230, 0.2531, 0.3605



41.5230, 0.2708, 0.2488



41.5230, 0.4156, 0.3779

Complementary

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



41.5230, 0.2531, 0.3605



17.9520, 0.4499, 0.3029

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.



41.5230, 0.4086, 0.3373



41.5230, 0.2531, 0.3605



41.5230, 0.3209, 0.2665

Square

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



41.5230, 0.2531, 0.3605



41.5230, 0.2349, 0.2487



41.5230, 0.3727, 0.2978



41.5230, 0.3929, 0.4108

Rectangle

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



41.5230, 0.2531, 0.3605



41.5230, 0.2186, 0.2799



41.5230, 0.3727, 0.2978



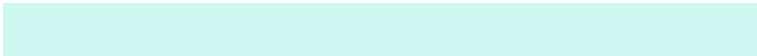
41.5230, 0.4168, 0.3647

Sweetspot

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



41.5246, 0.2531, 0.3605



86.0227, 0.2912, 0.3372



40.3582, 0.3185, 0.5020



18.7254, 0.2888, 0.3383



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.



41.5246, 0.2531, 0.3605



73.3719, 0.2463, 0.3686



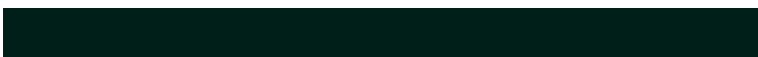
29.8379, 0.2311, 0.2764



10.7784, 0.3009, 0.3333



26.0676, 0.2412, 0.3883



1.0291, 0.2368, 0.3724

Inverse Universe

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



17.9520, 0.4499, 0.3029



26.5845, 0.4994, 0.3009



23.6924, 0.4535, 0.3727



9.5645, 0.3260, 0.3248



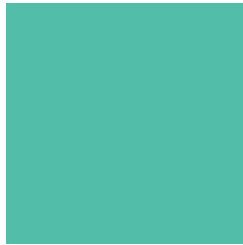
7.3694, 0.6088, 0.3128



0.2976, 0.5453, 0.2778

Previews

White Background



This preview shows how the Yxy color 41.5230, 0.2531, 0.3605 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 41.5230, 0.2531, 0.3605 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

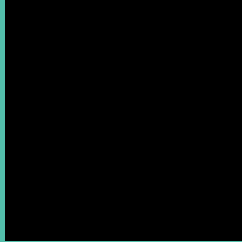
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

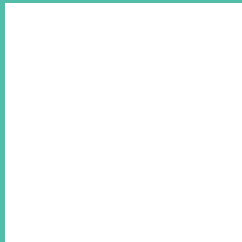
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.5230, 0.2531, 0.3605

Background



This preview shows how black text looks on a background with the Yxy color 41.5230, 0.2531, 0.3605.



This preview shows how white text looks on a background with the Yxy color 41.5230, 0.2531, 0.3605.

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

41.5230, 0.2531, 0.3605

Protanopia

40.9761, 0.3285, 0.3455

Deuteranopia

40.8067, 0.3235, 0.3171



Tritanopia

41.6620, 0.2401, 0.3067

Trichromacy



Original Color

41.5230, 0.2531, 0.3605

Protanomaly

40.2359, 0.2940, 0.3512

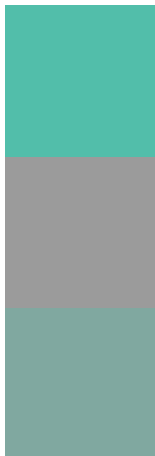
Deuteranomaly

39.9730, 0.2913, 0.3318

Tritanomaly

41.3822, 0.2443, 0.3242

Monochromacy



Original Color

41.5230, 0.2531, 0.3605

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

35.1325, 0.2843, 0.3415

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.5230, 0.2531, 0.3605 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(82, 190, 170)` looks like.

```
.text, #text, p{  
    color:rgb(82, 190, 170)  
}
```

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(82, 190, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 190, 170) }
```

Border

The CSS property to change the border of an element to Yxy 41.5230, 0.2531, 0.3605 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(82, 190, 170) }
```

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

```
.border{ border-color:rgb(82, 190, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 190, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 190, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 190, 170);  
box-shadow:4px 4px 4px 4px rgb(82, 190,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 41.5230, 0.2531, 0.3605 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 190, 170) }
```

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

```
.background{ background-color: rgb(82, 190,  
170) }
```

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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