

Converting Colors

$Yxy(41.5242, 0.2414, 0.3407)$

Have a look what the booklet for
Yxy(41.5242, 0.2414, 0.3407)
contains.

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Color

Yxy(41.5064, 0.2416, 0.3413)

Conversions

Conversions Part 1

Format	Color
Hex	46BEB6
RGB	70, 190, 182
RGB Percent	27%, 75%, 71%
CMY	0.7256, 0.2549, 0.2862
CMYK	0.63, 0.00, 0.04, 0.25
HSL	176°, 48%, 51%
HSV	176°, 63%, 75%
XYZ	29.3816, 41.5064, 50.7246
YIQ	153.2080, -68.9520, -27.9280

Conversions

Conversions Part 2

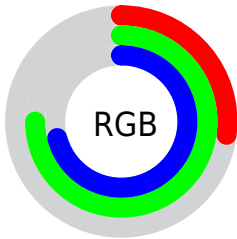
Format	Color
RYB	70, 132, 190
Decimal	4636342
CIELab	70.53, -34.89, -5.85
CIElCh	71, 35.381, 189.523
Yxy	41.5064, 0.2416, 0.3413
Android (android.graphics.Color)	4282826422 (0xFF46BEB6)
YUV	153.2080, 14.1945, -72.9734
Hunter-Lab	64.4255, -31.3386, -1.5835

Details

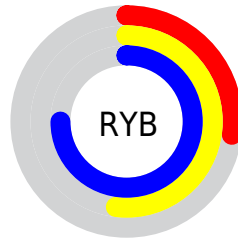
The Yxy color **41.5064, 0.2416, 0.3413** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **15.8737, 0.4997, 0.3198**, and the grayscale version is **31.9073, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.6001, 0.2546, 0.3394**, and **19.1933, 0.2290, 0.3442** is the 20% darker color. If you saturate the color by 10%, you get **40.8580, 0.2362, 0.3435**, and if you desaturate by 10%, it is **42.3819, 0.2489, 0.3391**.

Distribution



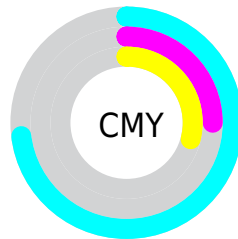
- Red (27%)
- Green (75%)
- Blue (71%)



- Red (27%)
- Yellow (52%)
- Blue (75%)



- Cyan (63%)
- Magenta (0%)
- Yellow (4%)
- Black (25%)




- Cyan (73%)
- Magenta (25%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.5064, 0.2416, 0.3413 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 41.5064, 0.2416, 0.3413 by changing the saturation by 10% instead.

 41.5064, 0.2416,
0.3413


 41.5064, 0.2416,
0.3413


352.4327, 0.2772,
0.3357

 28.7150, 0.2328,
0.3425


 77.4520, 0.2545,
0.3394

 18.8653, 0.2214,
0.3439

 101.3750, 0.2594,
0.3387

 11.5730, 0.2065,
0.3454


 129.7774, 0.2635,
0.3380

 6.4536, 0.1860,
0.3471

 163.0434, 0.2670,
0.3375

 3.1228, 0.1562,
0.3485

 201.5576, 0.2701,
0.3370

 1.1962, 0.0771,
0.3601

245.7042, 0.2727,

 0.0586, 0.0000,

0.3365

0.1102

295.8678, 0.2751,
0.3361

■ 0.0000, 0.0000,
0.0000

■ 41.5064, 0.2416,
0.3413

■ 41.5064, 0.2416,
0.3413

■ 40.8580, 0.2362,
0.3435

■ 42.3819, 0.2489,
0.3391

■ 40.4099, 0.2327,
0.3458

■ 43.4989, 0.2580,
0.3370

■ 40.1375, 0.2309,
0.3480

■ 44.8759, 0.2687,
0.3349

■ 40.0176, 0.2304,
0.3494

■ 46.5285, 0.2808,
0.3330

■ 48.4709, 0.2941,
0.3312

■ 50.7164, 0.3081,
0.3295

■ 53.2776, 0.3227,
0.3280

■ 56.1662, 0.3376,
0.3266

■ 59.3934, 0.3526,
0.3254

Harmonies

Analogous

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



41.5064, 0.2810, 0.3908



41.5064, 0.2416, 0.3413



41.5064, 0.2215, 0.2927

Triad

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



41.5064, 0.2416, 0.3413



41.5064, 0.2879, 0.2541



41.5064, 0.4094, 0.3905

Complementary

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



41.5064, 0.2416, 0.3413



15.8737, 0.4997, 0.3198

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.



41.5064, 0.4135, 0.3520



41.5064, 0.2416, 0.3413



41.5064, 0.3399, 0.2770

Square

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



41.5064, 0.2416, 0.3413



41.5064, 0.2464, 0.2474



41.5064, 0.3874, 0.3117



41.5064, 0.3783, 0.4174

Rectangle

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



41.5064, 0.2416, 0.3413



41.5064, 0.2203, 0.2687



41.5064, 0.3874, 0.3117



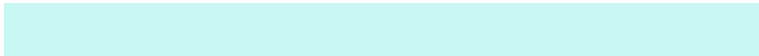
41.5064, 0.4141, 0.3784

Sweetspot

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



41.5080, 0.2416, 0.3413



85.6089, 0.2858, 0.3323



38.8895, 0.3077, 0.5280



18.5838, 0.2821, 0.3328



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.



41.5080, 0.2416, 0.3413



73.6652, 0.2346, 0.3444



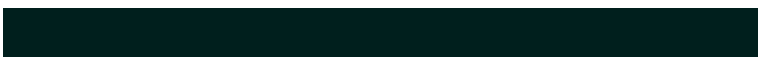
23.1928, 0.2173, 0.2411



10.7983, 0.2994, 0.3305



26.6124, 0.2303, 0.3492



1.0458, 0.2289, 0.3439

Inverse Universe

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



15.8737, 0.4997, 0.3198



23.4697, 0.5635, 0.3208



25.3049, 0.4597, 0.3970



9.5464, 0.3278, 0.3275



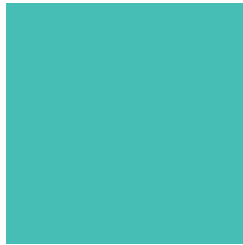
7.3023, 0.6317, 0.3253



0.2896, 0.6012, 0.3086

Previews

White Background



This preview shows how the Yxy color 41.5064, 0.2416, 0.3413 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 41.5064, 0.2416, 0.3413 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

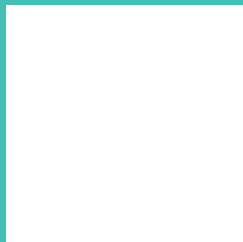
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.5064, 0.2416, 0.3413

Background



This preview shows how black text looks on a background with the Yxy color 41.5064, 0.2416, 0.3413.

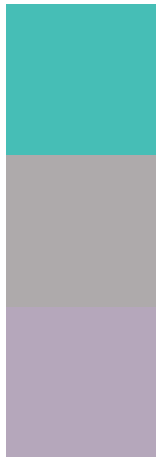


This preview shows how white text looks on a background with the Yxy color 41.5064, 0.2416, 0.3413.

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

41.5064, 0.2416, 0.3413

Protanopia

40.6884, 0.3155, 0.3276

Deuteranopia

41.0490, 0.3085, 0.3027



Tritanopia

41.4672, 0.2339, 0.3064

Trichromacy



Original Color

41.5064, 0.2416, 0.3413

Protanomaly

39.7737, 0.2805, 0.3319

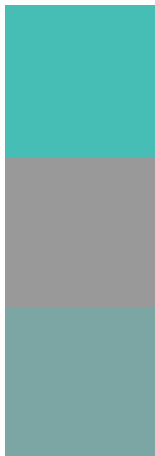
Deuteranomaly

39.8254, 0.2770, 0.3145

Tritanomaly

41.4431, 0.2366, 0.3182

Monochromacy



Original Color

41.5064, 0.2416, 0.3413

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

34.1637, 0.2771, 0.3321

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.5064, 0.2416, 0.3413 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(70, 190, 182)` looks like.

```
.text, #text, p{  
    color:rgb(70, 190, 182)  
}
```

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(70, 190, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 190, 182) }
```

Border

The CSS property to change the border of an element to Yxy 41.5064, 0.2416, 0.3413 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(70, 190, 182) }
```

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

```
.border{ border-color:rgb(70, 190, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 190, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 190, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 190, 182);  
box-shadow:4px 4px 4px 4px rgb(70, 190,  
182) }
```


Background

The CSS property to change the background color of an element to Yxy 41.5064, 0.2416, 0.3413 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 190, 182) }
```

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

```
.background{ background-color: rgb(70, 190,  
182) }
```

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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