

Converting Colors

$Y_{xy}(41.2050, 0.2408, 0.3289)$

Have a look what the booklet for
Yxy(41.2050, 0.2408, 0.3289)
contains.

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Color

Yxy(41.2170, 0.2409, 0.3288)

Conversions

Conversions Part 1

Format	Color
Hex	4EBCBC
RGB	78, 188, 188
RGB Percent	31%, 74%, 74%
CMY	0.6943, 0.2627, 0.2627
CMYK	0.59, 0.00, 0.00, 0.26
HSL	180°, 45%, 52%
HSV	180°, 59%, 74%
XYZ	30.1982, 41.2170, 53.9406
YIQ	155.1100, -65.5600, -23.3200

Conversions

Conversions Part 2

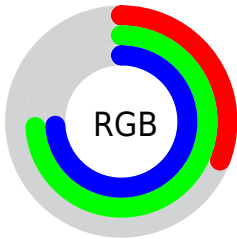
Format	Color
RYB	78, 133, 188
Decimal	5160124
CIELab	70.33, -30.92, -9.41
CIELCh	70, 32.322, 196.928
Yxy	41.2170, 0.2409, 0.3288
Android (android.graphics.Color)	4283350204 (0xFF4EBCBC)
YUV	155.1100, 16.2148, -67.6255
Hunter-Lab	64.2005, -28.3891, -4.8746

Details

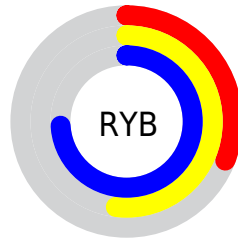
The Yxy color **41.2170, 0.2409, 0.3288** is a dark color, and the websafe version is hex **66CCCC**. A complement of this color would be **16.6823, 0.4906, 0.3295**, and the grayscale version is **32.7722, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.2397, 0.2540, 0.3300**, and **18.7995, 0.2241, 0.3266** is the 20% darker color. If you saturate the color by 10%, you get **40.5354, 0.2342, 0.3288**, and if you desaturate by 10%, it is **42.1287, 0.2495, 0.3288**.

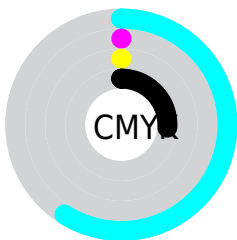
Distribution



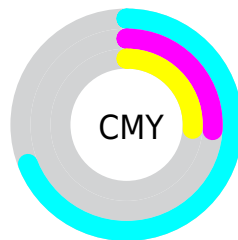
- Red (31%)
- Green (74%)
- Blue (74%)



- Red (31%)
- Yellow (52%)
- Blue (74%)



- Cyan (59%)
- Magenta (0%)
- Yellow (0%)
- Black (26%)





- Cyan (69%)
- Magenta (26%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.2170, 0.2409, 0.3288 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 41.2170, 0.2409, 0.3288 by changing the saturation by 10% instead.


 41.2170, 0.2409,
0.3288


 41.2170, 0.2409,
0.3288


351.2267, 0.2767,
0.3298


 28.4887, 0.2320,
0.3283


 77.0132, 0.2539,
0.3294

 18.6944, 0.2207,
0.3274


 100.8499, 0.2588,
0.3295

 11.4496, 0.2058,
0.3259


 129.1581, 0.2629,
0.3296

 6.3701, 0.1854,
0.3231

 162.3223, 0.2665,
0.3297

 3.0714, 0.1560,
0.3176

200.7269, 0.2695,
0.3297

 1.1691, 0.0887,
0.3125

244.7562, 0.2722,

 0.0363, 0.0000,

0.3298

0.0494

294.7947, 0.2746,
0.3298

0.0000, 0.0000,
0.0000

41.2170, 0.2409,
0.3288

41.2170, 0.2409,
0.3288

40.5354, 0.2342,
0.3288

42.1287, 0.2495,
0.3288

40.0592, 0.2294,
0.3288

43.2832, 0.2599,
0.3289

39.7665, 0.2264,
0.3288

44.6982, 0.2719,
0.3289

39.6188, 0.2248,
0.3288

46.3880, 0.2852,
0.3289

39.6011, 0.2247,
0.3288

48.3662, 0.2997,
0.3290

■ 50.6453, 0.3150,
0.3290

■ 53.2371, 0.3308,
0.3291

■ 56.1529, 0.3468,
0.3291

■ 59.4033, 0.3628,
0.3291

Harmonies

Analogous

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



41.2170, 0.2735, 0.3752



41.2170, 0.2409, 0.3288



41.2170, 0.2270, 0.2870

Triad

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



41.2170, 0.2409, 0.3288



41.2170, 0.3015, 0.2637



41.2170, 0.3965, 0.3935

Complementary

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



41.2170, 0.2409, 0.3288



16.6823, 0.4906, 0.3295

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.



41.2170, 0.4067, 0.3599



41.2170, 0.2409, 0.3288



41.2170, 0.3495, 0.2882

Square

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



41.2170, 0.2409, 0.3288



41.2170, 0.2598, 0.2536



41.2170, 0.3892, 0.3223



41.2170, 0.3635, 0.4129

Rectangle

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



41.2170, 0.2409, 0.3288



41.2170, 0.2292, 0.2676



41.2170, 0.3892, 0.3223



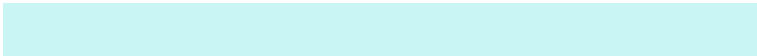
41.2170, 0.4028, 0.3833

Sweetspot

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



41.2186, 0.2409, 0.3288



84.1450, 0.2856, 0.3289



38.2154, 0.3050, 0.5147



17.8908, 0.2816, 0.3289



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



41.2186, 0.2409, 0.3288



73.1971, 0.2328, 0.3288



22.5233, 0.2213, 0.2391



10.8096, 0.2985, 0.3290



26.9595, 0.2247, 0.3288



1.0560, 0.2247, 0.3288

Inverse Universe

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



16.6823, 0.4906, 0.3295



24.6867, 0.5504, 0.3297



27.5122, 0.4405, 0.4006



9.5364, 0.3288, 0.3290



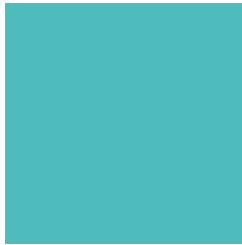
7.2793, 0.6401, 0.3300



0.2851, 0.6400, 0.3299

Previews

White Background



This preview shows how the Yxy color 41.2170, 0.2409, 0.3288 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 41.2170, 0.2409, 0.3288 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

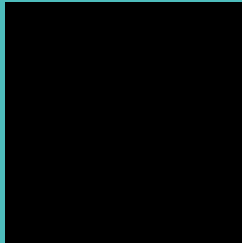
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

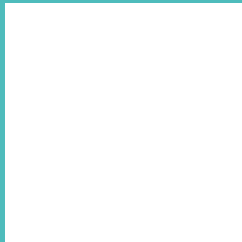
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.2170, 0.2409, 0.3288

Background



This preview shows how black text looks on a background with the Yxy color 41.2170, 0.2409, 0.3288.

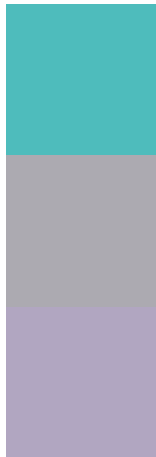


This preview shows how white text looks on a background with the Yxy color 41.2170, 0.2409, 0.3288.

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

41.2170, 0.2409, 0.3288

Protanopia

40.6944, 0.3087, 0.3194

Deuteranopia

40.4698, 0.3001, 0.2934



Tritanopia

41.1739, 0.2357, 0.3064

Trichromacy



Original Color

41.2170, 0.2409, 0.3288



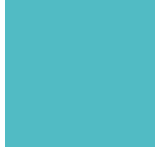
Protanomaly

40.1838, 0.2777, 0.3231



Deuteranomaly

39.6964, 0.2726, 0.3047



Tritanomaly

41.2755, 0.2377, 0.3152

Monochromacy



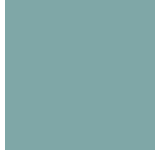
Original Color

41.2170, 0.2409, 0.3288



Achromatopsia

32.7778, 0.3127, 0.3290



Achromatomaly

34.9395, 0.2781, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.2170, 0.2409, 0.3288 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(78, 188, 188)` looks like.

```
.text, #text, p{  
    color:rgb(78, 188, 188)  
}
```

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(78, 188, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 188, 188) }
```

Border

The CSS property to change the border of an element to Yxy 41.2170, 0.2409, 0.3288 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(78, 188, 188) }
```

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

```
.border{ border-color:rgb(78, 188, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 188, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 188, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 188, 188);  
box-shadow:4px 4px 4px 4px rgb(78, 188,  
188) }
```


Background

The CSS property to change the background color of an element to Yxy 41.2170, 0.2409, 0.3288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 188, 188) }
```

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

```
.background{ background-color: rgb(78, 188,  
188) }
```

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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