

Converting Colors

$Y_{xy}(41.2788, 0.2364, 0.3124)$

Have a look what the booklet for
Yxy(41.2788, 0.2364, 0.3124)
contains.

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Color

Yxy(41.3233, 0.2363, 0.3122)

Conversions

Conversions Part 1

Format	Color
Hex	50BBC6
RGB	80, 187, 198
RGB Percent	31%, 73%, 78%
CMY	0.6860, 0.2667, 0.2235
CMYK	0.60, 0.06, 0.00, 0.22
HSL	186°, 51%, 55%
HSV	186°, 60%, 78%
XYZ	31.2771, 41.3233, 59.7613
YIQ	156.2610, -67.3030, -19.2630

Conversions

Conversions Part 2

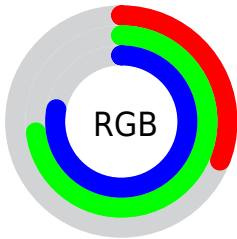
Format	Color
RYB	80, 136, 198
Decimal	5290950
CIELab	70.40, -27.23, -14.78
CIElCh	70, 30.980, 208.500
Yxy	41.3233, 0.2363, 0.3122
Android (android.graphics.Color)	4283481030 (0xFF50BBC6)
YUV	156.2610, 20.5773, -66.8809
Hunter-Lab	64.2832, -25.6463, -10.1211

Details

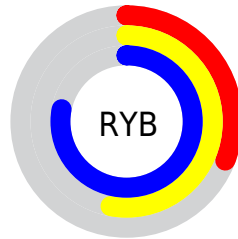
The Yxy color **41.3233, 0.2363, 0.3122** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted azure. A complement of this color would be **20.0861, 0.4866, 0.3430**, and the grayscale version is **33.3065, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.8966, 0.2496, 0.3151**, and **18.7887, 0.2182, 0.3054** is the 20% darker color. If you saturate the color by 10%, you get **39.8054, 0.2286, 0.3090**, and if you desaturate by 10%, it is **43.1084, 0.2458, 0.3154**.

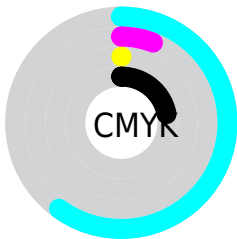
Distribution



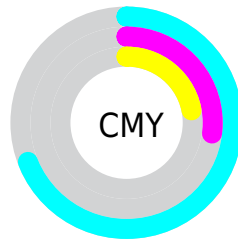
- Red (31%)
- Green (73%)
- Blue (78%)



- Red (31%)
- Yellow (53%)
- Blue (78%)



- Cyan (60%)
- Magenta (6%)
- Yellow (0%)
- Black (22%)





- Cyan (69%)
- Magenta (27%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.3233, 0.2363, 0.3122 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 41.3233, 0.2363, 0.3122 by changing the saturation by 10% instead.


 41.3233, 0.2363,
0.3122


 41.3233, 0.2363,
0.3122


351.6700, 0.2742,
0.3218

 28.5718, 0.2270,
0.3094


 77.1744, 0.2499,
0.3160

 18.7571, 0.2153,
0.3057


 101.0428, 0.2551,
0.3173

 11.4949, 0.1999,
0.3003


 129.3857, 0.2595,
0.3184

 6.4008, 0.1790,
0.2921

 162.5873, 0.2633,
0.3193

 3.0903, 0.1495,
0.2785

201.0322, 0.2665,
0.3201

 1.1790, 0.0936,
0.2567

245.1047, 0.2694,

 0.0445, 0.0000,

0.3207

0.0393

295.1892, 0.2719,
0.3213

■ 0.0000, 0.0000,
0.0000

■ 41.3233, 0.2363,
0.3122

■ 41.3233, 0.2363,
0.3122

■ 39.8054, 0.2286,
0.3090

■ 43.1084, 0.2458,
0.3154

■ 38.5270, 0.2229,
0.3058

■ 45.1764, 0.2570,
0.3184

■ 37.4624, 0.2190,
0.3026

■ 47.5470, 0.2696,
0.3214

■ 36.5624, 0.2166,
0.2994

■ 50.2369, 0.2834,
0.3241

■ 36.5241, 0.2165,
0.2993

■ 53.2616, 0.2981,
0.3267

■ 56.6355, 0.3134,
0.3291

■ 60.3720, 0.3290,
0.3313

■ 64.4840, 0.3446,
0.3332

■ 68.3550, 0.3574,
0.3349

Harmonies

Analogous

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



41.3233, 0.2613, 0.3567



41.3233, 0.2363, 0.3122



41.3233, 0.2305, 0.2771

Triad

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



41.3233, 0.2363, 0.3122



41.3233, 0.3197, 0.2739



41.3233, 0.3830, 0.4003

Complementary

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



41.3233, 0.2363, 0.3122



20.0861, 0.4866, 0.3430

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.



41.3233, 0.4020, 0.3723



41.3233, 0.2363, 0.3122



41.3233, 0.3644, 0.3017

Square

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



41.3233, 0.2363, 0.3122



41.3233, 0.2760, 0.2584



41.3233, 0.3954, 0.3367



41.3233, 0.3455, 0.4105

Rectangle

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



41.3233, 0.2363, 0.3122



41.3233, 0.2377, 0.2629



41.3233, 0.3954, 0.3367



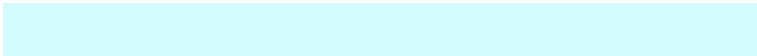
41.3233, 0.3919, 0.3924

Sweetspot

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



41.3249, 0.2363, 0.3122



89.6042, 0.2853, 0.3245



42.8396, 0.2991, 0.5053



18.8601, 0.2811, 0.3237



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



41.3249, 0.2363, 0.3122



69.8720, 0.2270, 0.3082



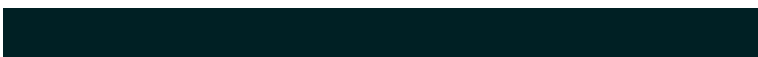
21.5440, 0.2152, 0.2167



11.8916, 0.2984, 0.3268



23.8163, 0.2166, 0.2997



1.1783, 0.2184, 0.3063

Inverse Universe

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



21.3435, 0.3322, 0.2018



32.3289, 0.3369, 0.1842



34.0424, 0.4335, 0.4161



10.7989, 0.3152, 0.3083



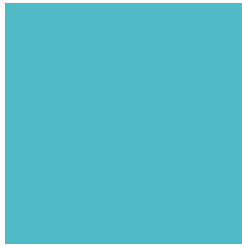
9.9443, 0.3457, 0.1678



0.4760, 0.3399, 0.1646

Previews

White Background



This preview shows how the Yxy color 41.3233, 0.2363, 0.3122 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 41.3233, 0.2363, 0.3122 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

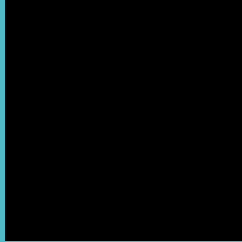
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.3233, 0.2363, 0.3122

Background



This preview shows how black text looks on a background with the Yxy color 41.3233, 0.2363, 0.3122.



This preview shows how white text looks on a background with the Yxy color 41.3233, 0.2363, 0.3122.

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

41.3233, 0.2363, 0.3122

Protanopia

40.7723, 0.2979, 0.3059

Deuteranopia

40.6724, 0.2887, 0.2830



Tritanopia

41.1759, 0.2348, 0.3049

Trichromacy



Original Color

41.3233, 0.2363, 0.3122



Protanomaly

40.1306, 0.2700, 0.3074



Deuteranomaly

39.9781, 0.2645, 0.2910



Tritanomaly

41.0842, 0.2348, 0.3064

Monochromacy



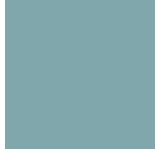
Original Color

41.3233, 0.2363, 0.3122



Achromatopsia

33.2452, 0.3127, 0.3290



Achromatomaly

35.1669, 0.2760, 0.3227

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.3233, 0.2363, 0.3122 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(80, 187, 198)` looks like.

```
.text, #text, p{  
    color:rgb(80, 187, 198)  
}
```

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(80, 187, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 187, 198) }
```

Border

The CSS property to change the border of an element to Yxy 41.3233, 0.2363, 0.3122 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(80, 187, 198) }
```

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

```
.border{ border-color:rgb(80, 187, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 187, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 187, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 187, 198);  
box-shadow:4px 4px 4px 4px rgb(80, 187,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 41.3233, 0.2363, 0.3122 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 187, 198) }
```

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

```
.background{ background-color: rgb(80, 187,  
198) }
```

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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