

Converting Colors

$Y_{xy}(41.6419, 0.2545, 0.3156)$

Have a look what the booklet for
Yxy(41.6419, 0.2545, 0.3156)
contains.

Yxy(41.6419, 0.2545, 0.3156)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(41.6419, 0.2545, 0.3156)

Conversions

Conversions Part 1

Format	Color
Hex	71B8C1
RGB	113, 184, 193
RGB Percent	44%, 72%, 76%
CMY	0.5567, 0.2784, 0.2431
CMYK	0.41, 0.05, 0.00, 0.24
HSL	187°, 39%, 60%
HSV	187°, 41%, 76%
XYZ	33.5800, 41.6419, 56.7232
YIQ	163.7970, -45.2050, -12.2530

Conversions

Conversions Part 2

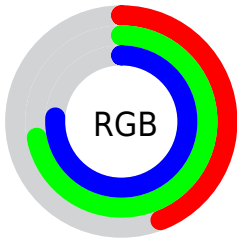
Format	Color
R_{YB}	113, 151, 193
Decimal	7452865
CIE _{Lab}	70.62, -19.91, -11.58
CIE _{LCh}	71, 23.029, 210.179
Yxy	41.6419, 0.2545, 0.3156
Android (android.graphics.Color)	4285642945 (0xFF71B8C1)
YUV	163.7970, 14.3971, -44.5490
Hunter-Lab	64.5305, -20.0416, -6.9454

Details

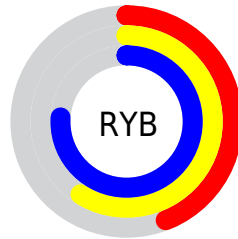
The Yxy color **41.6419, 0.2545, 0.3156** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **26.4626, 0.4124, 0.3416**, and the grayscale version is **36.9741, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.4846, 0.2650, 0.3188**, and **19.0256, 0.2380, 0.3102** is the 20% darker color. If you saturate the color by 10%, you get **39.5995, 0.2434, 0.3119**, and if you desaturate by 10%, it is **43.9736, 0.2670, 0.3192**.

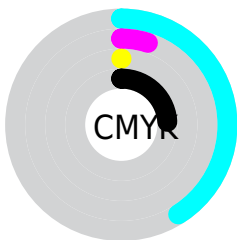
Distribution



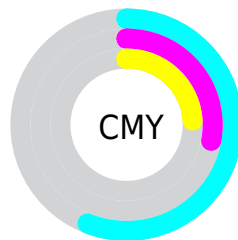
- Red (44%)
- Green (72%)
- Blue (76%)



- Red (44%)
- Yellow (59%)
- Blue (76%)



- Cyan (41%)
- Magenta (5%)
- Yellow (0%)
- Black (24%)




- Cyan (56%)
- Magenta (28%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.6419, 0.2545, 0.3156 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 41.6419, 0.2545, 0.3156 by changing the saturation by 10% instead.

 41.6419, 0.2545,
0.3156

 41.6419, 0.2545,
0.3156


352.9963, 0.2836,
0.3230

 28.8210, 0.2473,
0.3135


 77.6574, 0.2650,
0.3185

 18.9454, 0.2381,
0.3107


 101.6207, 0.2690,
0.3195

 11.6309, 0.2259,
0.3067


 130.0670, 0.2724,
0.3203

 6.4929, 0.2090,
0.3007

163.3806, 0.2752,
0.3211

 3.1470, 0.1845,
0.2908

201.9460, 0.2777,
0.3217

 1.2090, 0.1428,
0.2732

246.1474, 0.2799,

 0.0690, 0.0000,

0.3222

0.0724

296.3694, 0.2819,
0.3226

0.0000, 0.0000,
0.0000

41.6419, 0.2545,
0.3156

41.6419, 0.2545,
0.3156

39.5995, 0.2434,
0.3119

43.9736, 0.2670,
0.3192

37.8242, 0.2340,
0.3080

46.6058, 0.2808,
0.3226

36.2981, 0.2264,
0.3041


49.5548, 0.2953,
0.3257

34.9989, 0.2207,
0.3002


52.8342, 0.3105,
0.3286

33.9001, 0.2169,
0.2963


56.4571, 0.3260,
0.3312

 33.0749, 0.2147,
0.2930

 60.4356, 0.3415,
0.3336

 64.7811, 0.3568,
0.3357

 67.0677, 0.3619,
0.3378

 68.0915, 0.3614,
0.3401

Harmonies

Analogous

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



41.6419, 0.2731, 0.3477



41.6419, 0.2545, 0.3156



41.6419, 0.2507, 0.2896

Triad

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



41.6419, 0.2545, 0.3156



41.6419, 0.3202, 0.2882



41.6419, 0.3641, 0.3833

Complementary

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



41.6419, 0.2545, 0.3156



26.4626, 0.4124, 0.3416

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.



41.6419, 0.3786, 0.3639



41.6419, 0.2545, 0.3156



41.6419, 0.3527, 0.3101

Square

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



41.6419, 0.2545, 0.3156



41.6419, 0.2872, 0.2757



41.6419, 0.3746, 0.3372



41.6419, 0.3360, 0.3886

Rectangle

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



41.6419, 0.2545, 0.3156



41.6419, 0.2568, 0.2789



41.6419, 0.3746, 0.3372



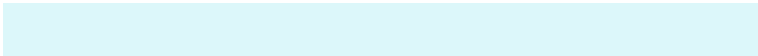
41.6419, 0.3708, 0.3781

Sweetspot

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



41.6435, 0.2545, 0.3156



88.3268, 0.2942, 0.3255



43.0376, 0.3017, 0.4426



18.7943, 0.2923, 0.3251



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.



41.6435, 0.2545, 0.3156



71.1404, 0.2441, 0.3121



27.6226, 0.2447, 0.2544



11.2284, 0.2984, 0.3263



22.0708, 0.2149, 0.2935



1.0099, 0.2173, 0.3021

Inverse Universe

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



26.6179, 0.3272, 0.2382



41.0059, 0.3312, 0.2196



38.0281, 0.3900, 0.3931



10.2273, 0.3154, 0.3088



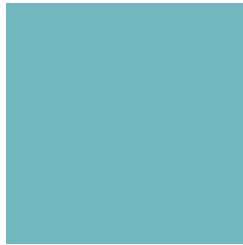
9.5103, 0.3512, 0.1708



0.4166, 0.3436, 0.1666

Previews

White Background



This preview shows how the Yxy color 41.6419, 0.2545, 0.3156 looks on a white background.

Color Contrast Check

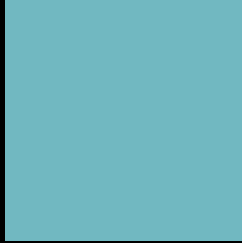
Large Text (above 18pt) WCAG AA × Fail

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 41.6419, 0.2545, 0.3156 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

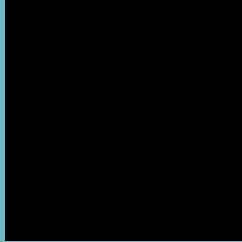
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

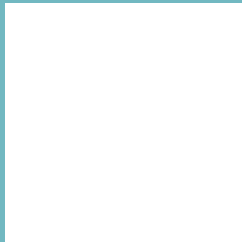
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.6419, 0.2545, 0.3156

Background



This preview shows how black text looks on a background with the Yxy color 41.6419, 0.2545, 0.3156.

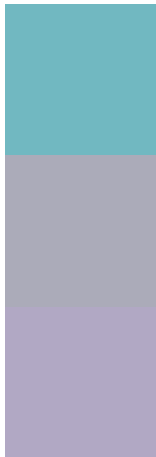


This preview shows how white text looks on a background with the Yxy color 41.6419, 0.2545, 0.3156.

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

41.6419, 0.2545, 0.3156

Protanopia

41.2865, 0.3013, 0.3101

Deuteranopia

41.3379, 0.2977, 0.2923



Tritanopia

41.5216, 0.2519, 0.3070

Trichromacy



Original Color

41.6419, 0.2545, 0.3156

Protanomaly

41.1655, 0.2819, 0.3121

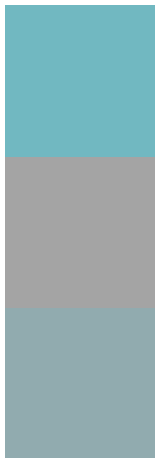
Deuteranomaly

41.0823, 0.2798, 0.3000

Tritanomaly

41.4299, 0.2531, 0.3099

Monochromacy



Original Color

41.6419, 0.2545, 0.3156

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

38.2407, 0.2871, 0.3231

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.6419, 0.2545, 0.3156 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(113, 184, 193)` looks like.

```
.text, #text, p{  
    color:rgb(113, 184, 193)  
}
```

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(113, 184, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 184, 193) }
```

Border

The CSS property to change the border of an element to Yxy 41.6419, 0.2545, 0.3156 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(113, 184, 193) }
```

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

```
.border{ border-color:rgb(113, 184, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 184, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 184, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 184, 193);  
box-shadow:4px 4px 4px 4px rgb(113, 184,  
193) }
```


Background

The CSS property to change the background color of an element to Yxy 41.6419, 0.2545, 0.3156 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 184, 193) }
```

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

```
.background{ background-color: rgb(113,  
184, 193) }
```

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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