

Converting Colors

$Y_{xy}(42.1875, 0.2681, 0.3160)$

Have a look what the booklet for
Yxy(42.1875, 0.2681, 0.3160)
contains.

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Color

Yxy(42.2040, 0.2681, 0.3160)

Conversions

Conversions Part 1

Format	Color
Hex	85B6BF
RGB	133, 182, 191
RGB Percent	52%, 71%, 75%
CMY	0.4783, 0.2863, 0.2510
CMYK	0.30, 0.05, 0.00, 0.25
HSL	189°, 31%, 64%
HSV	189°, 30%, 75%
XYZ	35.8066, 42.2040, 55.5463
YIQ	168.3750, -32.0930, -7.5890

Conversions

Conversions Part 2

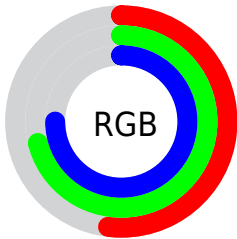
Format	Color
RYB	133, 160, 191
Decimal	8763071
CIELab	71.01, -13.93, -9.79
CIELCh	71, 17.028, 215.083
Yxy	42.2040, 0.2681, 0.3160
Android (android.graphics.Color)	4286953151 (0xFF85B6BF)
YUV	168.3750, 11.1541, -31.0239
Hunter-Lab	64.9646, -15.3040, -5.2192

Details

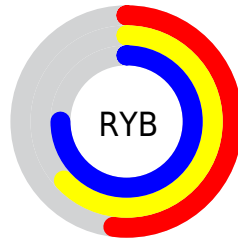
The Yxy color **42.2040, 0.2681, 0.3160** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **32.1214, 0.3764, 0.3415**, and the grayscale version is **39.3104, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.5558, 0.2766, 0.3190**, and **19.2848, 0.2551, 0.3108** is the 20% darker color. If you saturate the color by 10%, you get **39.5884, 0.2551, 0.3111**, and if you desaturate by 10%, it is **45.1314, 0.2822, 0.3206**.

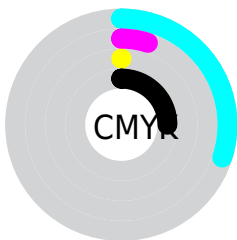
Distribution



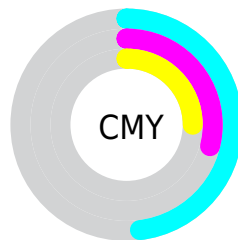
- Red (52%)
- Green (71%)
- Blue (75%)



- Red (52%)
- Yellow (63%)
- Blue (75%)



- Cyan (30%)
- Magenta (5%)
- Yellow (0%)
- Black (25%)





- Cyan (48%)
- Magenta (29%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.2040, 0.2681, 0.3160 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 42.2040, 0.2681, 0.3160 by changing the saturation by 10% instead.


 42.2040, 0.2681,
0.3160

 42.2040, 0.2681,
0.3160


355.3279, 0.2905,
0.3230

 29.2611, 0.2625,
0.3141


 78.5083, 0.2762,
0.3186

 19.2784, 0.2554,
0.3116


 102.6384, 0.2793,
0.3196

 11.8716, 0.2458,
0.3081


 131.2664, 0.2819,
0.3204

 6.6563, 0.2326,
0.3030

164.7766, 0.2841,
0.3211

 3.2481, 0.2129,
0.2947

203.5535, 0.2860,
0.3216

 1.2626, 0.1812,
0.2795

247.9814, 0.2877,

 0.1120, 0.0000,

0.3221

0.1219

298.4447, 0.2891,
0.3226

0.0000, 0.0000,
0.0000

42.2040, 0.2681,
0.3160

42.2040, 0.2681,
0.3160

39.5884, 0.2551,
0.3111

45.1314, 0.2822,
0.3206

37.2639, 0.2433,
0.3059

48.3798, 0.2970,
0.3249

35.2154, 0.2332,
0.3005

51.9643, 0.3122,
0.3289

33.4240, 0.2248,
0.2950

55.8974, 0.3275,
0.3324

31.8683, 0.2184,
0.2895

60.1911, 0.3429,
0.3356

■ 30.5228, 0.2138,
0.2840

■ 64.8566, 0.3579,
0.3384

■ 29.3765, 0.2108,
0.2788

■ 67.6138, 0.3631,
0.3413

■ 69.0248, 0.3624,
0.3443

■ 70.4628, 0.3617,
0.3474

Harmonies

Analogous

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



42.2040, 0.2805, 0.3391



42.2040, 0.2681, 0.3160



42.2040, 0.2671, 0.2978

Triad

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



42.2040, 0.2681, 0.3160



42.2040, 0.3226, 0.3007



42.2040, 0.3480, 0.3705

Complementary

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



42.2040, 0.2681, 0.3160



32.1214, 0.3764, 0.3415

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.



42.2040, 0.3603, 0.3582



42.2040, 0.2681, 0.3160



42.2040, 0.3455, 0.3183

Square

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



42.2040, 0.2681, 0.3160



42.2040, 0.2978, 0.2900



42.2040, 0.3595, 0.3390



42.2040, 0.3263, 0.3716

Rectangle

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



42.2040, 0.2681, 0.3160



42.2040, 0.2730, 0.2906



42.2040, 0.3595, 0.3390



42.2040, 0.3534, 0.3675

Sweetspot

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



42.2057, 0.2681, 0.3160



87.3973, 0.2988, 0.3254



44.1929, 0.3026, 0.4031



18.9928, 0.2966, 0.3248



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.



42.2057, 0.2681, 0.3160



72.6166, 0.2599, 0.3130



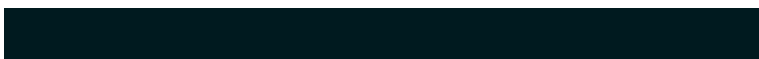
31.6349, 0.2633, 0.2728



10.5505, 0.2985, 0.3253



19.4027, 0.2110, 0.2795



0.8291, 0.2146, 0.2925

Inverse Universe

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



31.2344, 0.3252, 0.2651



50.3091, 0.3284, 0.2521



41.7846, 0.3652, 0.3793



9.6701, 0.3161, 0.3098



8.9884, 0.3639, 0.1778



0.3591, 0.3521, 0.1713

Previews

White Background



This preview shows how the Yxy color 42.2040, 0.2681, 0.3160 looks on a white background.

Color Contrast Check

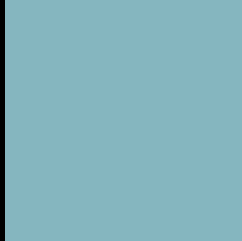
Large Text (above 18pt) WCAG AA × Fail

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 42.2040, 0.2681, 0.3160 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

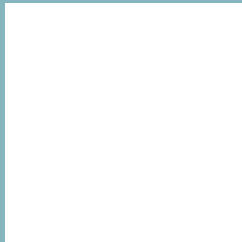
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.2040, 0.2681, 0.3160

Background



This preview shows how black text looks on a background with the Yxy color 42.2040, 0.2681, 0.3160.



This preview shows how white text looks on a background with the Yxy color 42.2040, 0.2681, 0.3160.

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

42.2040, 0.2681, 0.3160

Protanopia

41.8921, 0.3030, 0.3115

Deuteranopia

41.9743, 0.3019, 0.2964



Tritanopia

42.1016, 0.2654, 0.3076

Trichromacy



Original Color

42.2040, 0.2681, 0.3160

Protanomaly

41.9076, 0.2890, 0.3137

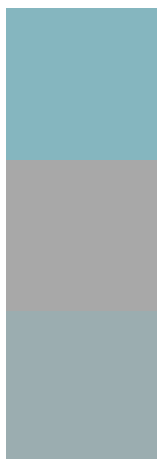
Deuteranomaly

41.9089, 0.2884, 0.3032

Tritanomaly

42.0111, 0.2667, 0.3104

Monochromacy



Original Color

42.2040, 0.2681, 0.3160

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

39.9903, 0.2947, 0.3247

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.2040, 0.2681, 0.3160 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(133, 182, 191)` looks like.

```
.text, #text, p{  
    color:rgb(133, 182, 191)  
}
```

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(133, 182, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 182, 191) }
```

Border

The CSS property to change the border of an element to Yxy 42.2040, 0.2681, 0.3160 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(133, 182, 191) }
```

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

```
.border{ border-color:rgb(133, 182, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 182, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 182, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 182, 191);  
box-shadow:4px 4px 4px 4px rgb(133, 182,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 42.2040, 0.2681, 0.3160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 182, 191) }
```

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

```
.background{ background-color: rgb(133,  
182, 191) }
```

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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