

Converting Colors

$Y_{xy}(40.3579, 0.2753, 0.3254)$

Have a look what the booklet for
Yxy(40.3579, 0.2753, 0.3254)
contains.

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Color

Yxy(40.2453, 0.2749, 0.3245)

Conversions

Conversions Part 1

Format	Color
Hex	86B2B5
RGB	134, 178, 181
RGB Percent	53%, 70%, 71%
CMY	0.4744, 0.3020, 0.2902
CMYK	0.26, 0.02, 0.00, 0.29
HSL	184°, 24%, 62%
HSV	184°, 26%, 71%
XYZ	34.0938, 40.2453, 49.6834
YIQ	165.1860, -27.1870, -8.3950

Conversions

Conversions Part 2

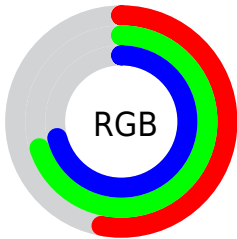
Format	Color
RYB	134, 157, 181
Decimal	8827573
CIELab	69.64, -13.89, -6.31
CIELCh	70, 15.259, 204.434
Yxy	40.2453, 0.2749, 0.3245
Android (android.graphics.Color)	4287017653 (0xFF86B2B5)
YUV	165.1860, 7.7963, -27.3501
Hunter-Lab	63.4392, -15.0883, -2.0265

Details

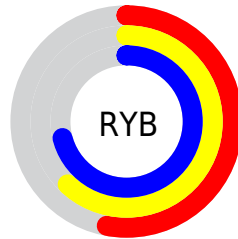
The Yxy color **40.2453, 0.2749, 0.3245** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **29.4396, 0.3659, 0.3335**, and the grayscale version is **37.6946, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.6514, 0.2817, 0.3256**, and **18.0647, 0.2643, 0.3226** is the 20% darker color. If you saturate the color by 10%, you get **38.4275, 0.2621, 0.3226**, and if you desaturate by 10%, it is **42.3248, 0.2888, 0.3263**.

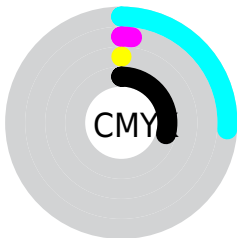
Distribution



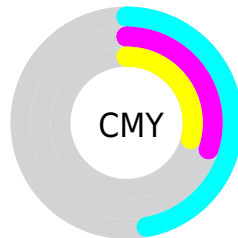
- Red (53%)
- Green (70%)
- Blue (71%)



- Red (53%)
- Yellow (62%)
- Blue (71%)



- Cyan (26%)
- Magenta (2%)
- Yellow (0%)
- Black (29%)




- Cyan (47%)
- Magenta (30%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.2453, 0.2749, 0.3245 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 40.2453, 0.2749, 0.3245 by changing the saturation by 10% instead.


 40.2453, 0.2749,
0.3245


 40.2453, 0.2749,
0.3245

347.1564, 0.2941,
0.3271

 27.7299, 0.2700,
0.3238


 75.5369, 0.2819,
0.3255

 18.1221, 0.2637,
0.3227


 99.0818, 0.2845,
0.3259

 11.0377, 0.2553,
0.3212


 127.0721, 0.2868,
0.3262

 6.0922, 0.2434,
0.3189

159.8920, 0.2886,
0.3264

 2.9012, 0.2253,
0.3149

197.9260, 0.2903,
0.3266

 1.0804, 0.1924,
0.3077

241.5585, 0.2917,

 0.0000, 0.0000,

0.3268

0.0000

291.1738, 0.2930,
0.3269

■ 40.2453, 0.2749,
0.3245

■ 40.2453, 0.2749,
0.3245

■ 38.4275, 0.2621,
0.3226

■ 42.3248, 0.2888,
0.3263

■ 36.8535, 0.2507,
0.3205

■ 44.6731, 0.3036,
0.3281

■ 35.5108, 0.2409,
0.3184

■ 47.3031, 0.3190,
0.3296

■ 34.3838, 0.2329,
0.3163

■ 50.2255, 0.3346,
0.3310

■ 33.4551, 0.2268,
0.3141

■ 53.4503, 0.3502,
0.3323

■ 32.7044, 0.2225,
0.3120

■ 56.9871, 0.3657,
0.3334

■ 32.1054, 0.2200,
0.3099

■ 59.7450, 0.3760,
0.3345

■ 31.8836, 0.2192,
0.3090

■ 60.2332, 0.3756,
0.3357

■ 60.7253, 0.3753,
0.3369

Harmonies

Analogous

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



40.2453, 0.2895, 0.3455



40.2453, 0.2749, 0.3245



40.2453, 0.2701, 0.3057

Triad

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



40.2453, 0.2749, 0.3245



40.2453, 0.3136, 0.2988



40.2453, 0.3500, 0.3639

Complementary

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



40.2453, 0.2749, 0.3245



29.4396, 0.3659, 0.3335

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.



40.2453, 0.3572, 0.3500



40.2453, 0.2749, 0.3245



40.2453, 0.3358, 0.3130

Square

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



40.2453, 0.2749, 0.3245



40.2453, 0.2919, 0.2919



40.2453, 0.3520, 0.3315



40.2453, 0.3328, 0.3687

Rectangle

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



40.2453, 0.2749, 0.3245



40.2453, 0.2730, 0.2970



40.2453, 0.3520, 0.3315



40.2453, 0.3537, 0.3600

Sweetspot

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



40.2469, 0.2749, 0.3245



79.0553, 0.3004, 0.3277



39.9033, 0.3075, 0.3981



16.9479, 0.2981, 0.3274



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



40.2469, 0.2749, 0.3245



70.2178, 0.2676, 0.3234



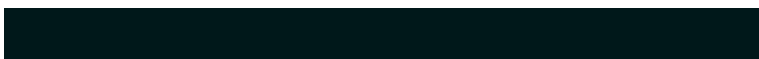
31.9011, 0.2717, 0.2897



9.5370, 0.2986, 0.3275



22.0201, 0.2193, 0.3093



0.7205, 0.2209, 0.3152

Inverse Universe

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



30.0929, 0.3187, 0.2693



49.1017, 0.3201, 0.2564



36.6363, 0.3580, 0.3653



8.6372, 0.3147, 0.3080



8.7631, 0.3373, 0.1632



0.2785, 0.3323, 0.1604

Previews

White Background



This preview shows how the Yxy color 40.2453, 0.2749, 0.3245 looks on a white background.

Color Contrast Check

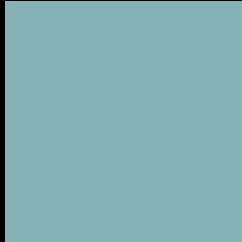
Large Text (above 18pt) WCAG AA × Fail

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 40.2453, 0.2749, 0.3245 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

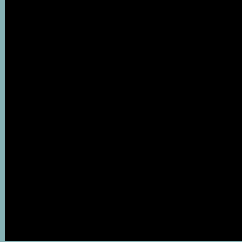
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.2453, 0.2749, 0.3245

Background



This preview shows how black text looks on a background with the Yxy color 40.2453, 0.2749, 0.3245.

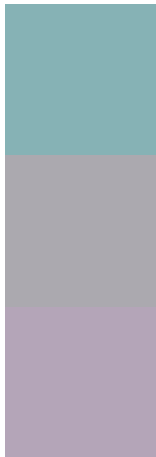


This preview shows how white text looks on a background with the Yxy color 40.2453, 0.2749, 0.3245.

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

40.2453, 0.2749, 0.3245

Protanopia

40.1290, 0.3095, 0.3207

Deuteranopia

40.0743, 0.3102, 0.3038



Tritanopia

40.0465, 0.2692, 0.3073

Trichromacy



Original Color

40.2453, 0.2749, 0.3245

Protanomaly

39.9485, 0.2964, 0.3219

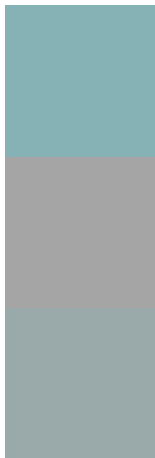
Deuteranomaly

39.9549, 0.2959, 0.3110

Tritanomaly

40.1830, 0.2714, 0.3144

Monochromacy



Original Color

40.2453, 0.2749, 0.3245

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

38.5597, 0.2977, 0.3275

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.2453, 0.2749, 0.3245 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(134, 178, 181)` looks like.

```
.text, #text, p{  
    color:rgb(134, 178, 181)  
}
```

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(134, 178, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 178, 181) }
```

Border

The CSS property to change the border of an element to Yxy 40.2453, 0.2749, 0.3245 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(134, 178, 181) }
```

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

```
.border{ border-color:rgb(134, 178, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 178, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 178, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 178, 181);  
box-shadow:4px 4px 4px 4px rgb(134, 178,  
181) }
```


Background

The CSS property to change the background color of an element to Yxy 40.2453, 0.2749, 0.3245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 178, 181) }
```

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

```
.background{ background-color: rgb(134,  
178, 181) }
```

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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