

Converting Colors

$Y_{xy}(40.2346, 0.2837, 0.3246)$

Have a look what the booklet for
Yxy(40.2346, 0.2837, 0.3246)
contains.

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Color

Yxy(40.2346, 0.2837, 0.3246)

Conversions

Conversions Part 1

Format	Color
Hex	90B0B3
RGB	144, 176, 179
RGB Percent	56%, 69%, 70%
CMY	0.4352, 0.3098, 0.2981
CMYK	0.20, 0.02, 0.00, 0.30
HSL	185°, 19%, 63%
HSV	185°, 20%, 70%
XYZ	35.1650, 40.2346, 48.5517
YIQ	166.7740, -20.0350, -5.8510

Conversions

Conversions Part 2

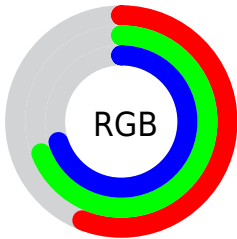
Format	Color
RYB	144, 161, 179
Decimal	9482419
CIELab	69.64, -10.18, -5.15
CIElCh	70, 11.405, 206.827
Yxy	40.2346, 0.2837, 0.3246
Android (android.graphics.Color)	4287672499 (0xFF90B0B3)
YUV	166.7740, 6.0274, -19.9728
Hunter-Lab	63.4307, -12.0463, -0.9808

Details

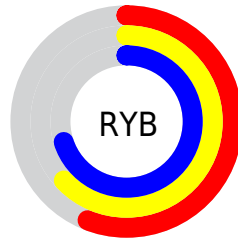
The Yxy color $40.2346, 0.2837, 0.3246$ is a light color, and the websafe version is hex $99CCCC$. A complement of this color would be $32.4659, 0.3497, 0.3334$, and the grayscale version is $38.5076, 0.3127, 0.3290$.

A 20% lighter version of the original color is $75.7172, 0.2887, 0.3256$, and $17.9994, 0.2755, 0.3228$ is the 20% darker color. If you saturate the color by 10%, you get $38.1542, 0.2700, 0.3221$, and if you desaturate by 10%, it is $42.5806, 0.2983, 0.3269$.

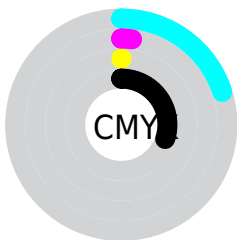
Distribution



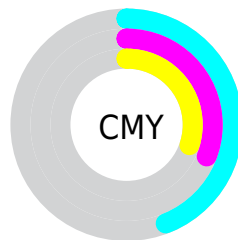
- Red (56%)
- Green (69%)
- Blue (70%)



- Red (56%)
- Yellow (63%)
- Blue (70%)



- Cyan (20%)
- Magenta (2%)
- Yellow (0%)
- Black (30%)





- Cyan (44%)
- Magenta (31%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.2346, 0.2837, 0.3246 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 40.2346, 0.2837, 0.3246 by changing the saturation by 10% instead.


 40.2346, 0.2837,
0.3246


 40.2346, 0.2837,
0.3246


347.1114, 0.2985,
0.3270

 27.7215, 0.2799,
0.3239


 75.5206, 0.2891,
0.3255

 18.1158, 0.2751,
0.3230


 99.0623, 0.2911,
0.3259

 11.0332, 0.2685,
0.3217


127.0491, 0.2928,
0.3261

 6.0892, 0.2592,
0.3198

159.8652, 0.2943,
0.3264

 2.8994, 0.2449,
0.3165

197.8950, 0.2955,
0.3266

 1.0794, 0.2199,
0.3101

241.5231, 0.2966,

 0.0000, 0.0000,

0.3267

0.0000

291.1338, 0.2976,
0.3269

■ 40.2346, 0.2837,
0.3246

■ 40.2346, 0.2837,
0.3246

■ 38.1542, 0.2700,
0.3221

■ 42.5806, 0.2983,
0.3269

■ 36.3224, 0.2575,
0.3194

■ 45.1984, 0.3134,
0.3291

■ 34.7278, 0.2464,
0.3167

■ 48.1003, 0.3289,
0.3311

■ 33.3563, 0.2370,
0.3138

■ 51.2963, 0.3445,
0.3328

■ 32.1920, 0.2294,
0.3109

■ 54.7959, 0.3599,
0.3344

■ 31.2171, 0.2237,
0.3080

■ 58.6081, 0.3749,
0.3357

■ 30.4106, 0.2198,
0.3051

■ 59.9254, 0.3775,
0.3373

■ 29.7310, 0.2174,
0.3023

■ 60.5757, 0.3771,
0.3389

■ 29.7002, 0.2173,
0.3021

■ 61.2330, 0.3766,
0.3405

Harmonies

Analogous

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



40.2346, 0.2943, 0.3401



40.2346, 0.2837, 0.3246



40.2346, 0.2807, 0.3108

Triad

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



40.2346, 0.2837, 0.3246



40.2346, 0.3149, 0.3068



40.2346, 0.3398, 0.3557

Complementary

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



40.2346, 0.2837, 0.3246



32.4659, 0.3497, 0.3334

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.



40.2346, 0.3458, 0.3460



40.2346, 0.2837, 0.3246



40.2346, 0.3312, 0.3181

Square

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



40.2346, 0.2837, 0.3246



40.2346, 0.2984, 0.3011



40.2346, 0.3426, 0.3322



40.2346, 0.3266, 0.3584

Rectangle

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



40.2346, 0.2837, 0.3246



40.2346, 0.2834, 0.3045



40.2346, 0.3426, 0.3322



40.2346, 0.3428, 0.3531

Sweetspot

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



40.2363, 0.2837, 0.3246



77.8284, 0.3034, 0.3277



40.2700, 0.3080, 0.3772



17.1776, 0.3025, 0.3276



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.



40.2363, 0.2837, 0.3246



70.5834, 0.2783, 0.3237



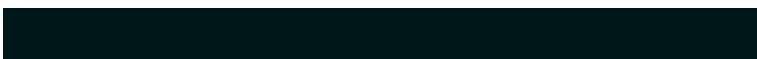
33.8410, 0.2822, 0.2987



9.5050, 0.2986, 0.3270



21.0386, 0.2174, 0.3025



0.6981, 0.2196, 0.3104

Inverse Universe

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



32.6700, 0.3178, 0.2852



54.8490, 0.3189, 0.2764



38.2967, 0.3452, 0.3576



8.6340, 0.3150, 0.3084



8.6640, 0.3433, 0.1665



0.2763, 0.3363, 0.1627

Previews

White Background



This preview shows how the Yxy color 40.2346, 0.2837, 0.3246 looks on a white background.

Color Contrast Check

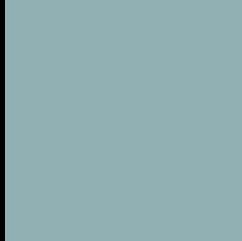
Large Text (above 18pt) WCAG AA × Fail

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 40.2346, 0.2837, 0.3246 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

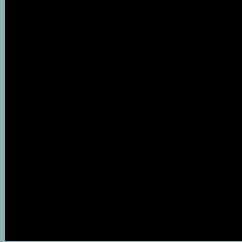
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

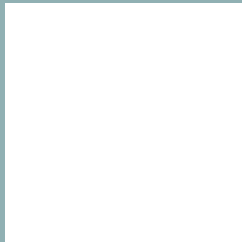
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.2346, 0.2837, 0.3246

Background



This preview shows how black text looks on a background with the Yxy color 40.2346, 0.2837, 0.3246.

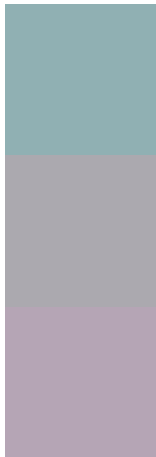


This preview shows how white text looks on a background with the Yxy color 40.2346, 0.2837, 0.3246.

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

40.2346, 0.2837, 0.3246

Protanopia

40.1290, 0.3095, 0.3207

Deuteranopia

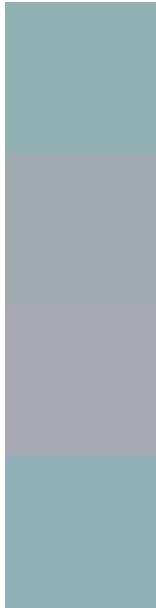
40.0702, 0.3137, 0.3077



Tritanopia

40.4018, 0.2787, 0.3105

Trichromacy



Original Color

40.2346, 0.2837, 0.3246

Protanomaly

40.2167, 0.2998, 0.3233

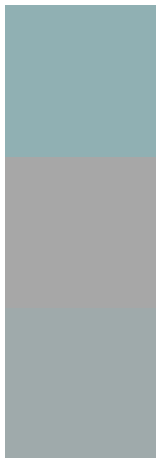
Deuteranomaly

39.9961, 0.3027, 0.3138

Tritanomaly

40.1825, 0.2800, 0.3146

Monochromacy



Original Color

40.2346, 0.2837, 0.3246

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

39.0607, 0.3021, 0.3275

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.2346, 0.2837, 0.3246 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(144, 176, 179)` looks like.

```
.text, #text, p{  
    color:rgb(144, 176, 179)  
}
```

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(144, 176, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 176, 179) }
```

Border

The CSS property to change the border of an element to Yxy 40.2346, 0.2837, 0.3246 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(144, 176, 179) }
```

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

```
.border{ border-color:rgb(144, 176, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 176, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 176, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 176, 179);  
box-shadow:4px 4px 4px 4px rgb(144, 176,  
179) }
```


Background

The CSS property to change the background color of an element to Yxy 40.2346, 0.2837, 0.3246 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 176, 179) }
```

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

```
.background{ background-color: rgb(144,  
176, 179) }
```

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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