

Converting Colors

$Y_{xy}(40.1038, 0.2842, 0.3262)$

Have a look what the booklet for
Yxy(40.1038, 0.2842, 0.3262)
contains.

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Color

Yxy(40.1943, 0.2844, 0.3260)

Conversions

Conversions Part 1

Format	Color
Hex	90B0B2
RGB	144, 176, 178
RGB Percent	56%, 69%, 70%
CMY	0.4352, 0.3098, 0.3019
CMYK	0.19, 0.01, 0.00, 0.30
HSL	184°, 18%, 63%
HSV	184°, 19%, 70%
XYZ	35.0652, 40.1943, 48.0359
YIQ	166.6600, -19.7140, -6.1620

Conversions

Conversions Part 2

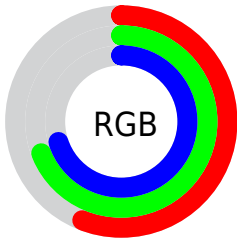
Format	Color
RYB	144, 160, 178
Decimal	9482418
CIELab	69.61, -10.39, -4.65
CIElCh	70, 11.388, 204.118
Yxy	40.1943, 0.2844, 0.3260
Android (android.graphics.Color)	4287672498 (0xFF90B0B2)
YUV	166.6600, 5.5906, -19.8728
Hunter-Lab	63.3990, -12.2220, -0.5433

Details

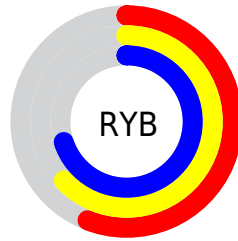
The Yxy color **40.1943, 0.2844, 0.3260** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **32.0464, 0.3489, 0.3320**, and the grayscale version is **38.4512, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.6595, 0.2893, 0.3267**, and **17.9737, 0.2765, 0.3248** is the 20% darker color. If you saturate the color by 10%, you get **38.3054, 0.2708, 0.3243**, and if you desaturate by 10%, it is **42.3424, 0.2989, 0.3276**.

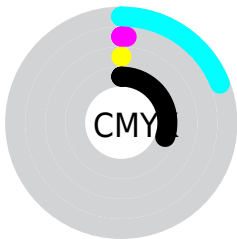
Distribution



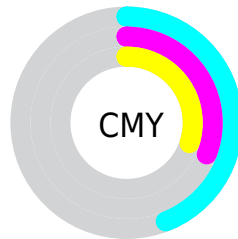
- Red (56%)
- Green (69%)
- Blue (70%)



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



- Cyan (19%)
- Magenta (1%)
- Yellow (0%)
- Black (30%)




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.1943, 0.2844, 0.3260 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 40.1943, 0.2844, 0.3260 by changing the saturation by 10% instead.

 40.1943, 0.2844,
0.3260


 40.1943, 0.2844,
0.3260


346.9418, 0.2988,
0.3277

 27.6901, 0.2807,
0.3255


 75.4593, 0.2897,
0.3267

 18.0922, 0.2760,
0.3249


 98.9888, 0.2917,
0.3269

 11.0162, 0.2695,
0.3239


126.9623, 0.2933,
0.3271

 6.0777, 0.2604,
0.3224

159.7640, 0.2947,
0.3272

 2.8924, 0.2464,
0.3199

197.7785, 0.2960,
0.3274

 1.0758, 0.2217,
0.3150

241.3900, 0.2970,

 0.0000, 0.0000,

0.3275

0.0000

290.9830, 0.2980,
0.3276

■ 40.1943, 0.2844,
0.3260

■ 40.1943, 0.2844,
0.3260

■ 38.3054, 0.2708,
0.3243

■ 42.3424, 0.2989,
0.3276

■ 36.6591, 0.2585,
0.3224

■ 44.7559, 0.3141,
0.3291

■ 35.2441, 0.2476,
0.3205

■ 47.4468, 0.3296,
0.3305

■ 34.0465, 0.2384,
0.3185

■ 50.4249, 0.3453,
0.3317

■ 33.0510, 0.2311,
0.3165

■ 53.6996, 0.3609,
0.3328

■ 32.2398, 0.2256,
0.3146

■ 57.2798, 0.3761,
0.3338

■ 31.5926, 0.2219,
0.3126

■ 58.4982, 0.3794,
0.3348

■ 31.0709, 0.2198,
0.3107

■ 58.9359, 0.3791,
0.3359

■ 31.0256, 0.2196,
0.3105

■ 59.3768, 0.3788,
0.3370

Harmonies

Analogous

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



40.1943, 0.2955, 0.3414



40.1943, 0.2844, 0.3260



40.1943, 0.2807, 0.3119

Triad

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



40.1943, 0.2844, 0.3260



40.1943, 0.3133, 0.3061



40.1943, 0.3407, 0.3551

Complementary

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



40.1943, 0.2844, 0.3260



32.0464, 0.3489, 0.3320

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.



40.1943, 0.3458, 0.3448



40.1943, 0.2844, 0.3260



40.1943, 0.3298, 0.3169

Square

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



40.1943, 0.2844, 0.3260



40.1943, 0.2970, 0.3010



40.1943, 0.3418, 0.3309



40.1943, 0.3280, 0.3585

Rectangle

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



40.1943, 0.2844, 0.3260



40.1943, 0.2828, 0.3052



40.1943, 0.3418, 0.3309



40.1943, 0.3434, 0.3523

Sweetspot

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



40.1960, 0.2844, 0.3260



78.0322, 0.3034, 0.3281



39.8429, 0.3090, 0.3777



17.2275, 0.3025, 0.3280



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.



40.1960, 0.2844, 0.3260



71.3520, 0.2784, 0.3253



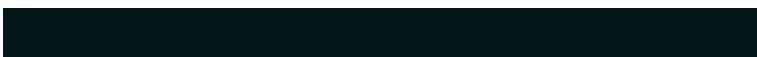
34.0494, 0.2830, 0.3012



9.5436, 0.2986, 0.3276



22.2283, 0.2196, 0.3107



0.7252, 0.2212, 0.3161

Inverse Universe

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



32.5516, 0.3168, 0.2851



54.9266, 0.3179, 0.2750



37.5732, 0.3447, 0.3553



8.6379, 0.3146, 0.3079



8.7841, 0.3361, 0.1625



0.2790, 0.3315, 0.1600

Previews

White Background



This preview shows how the Yxy color 40.1943, 0.2844, 0.3260 looks on a white background.

Color Contrast Check

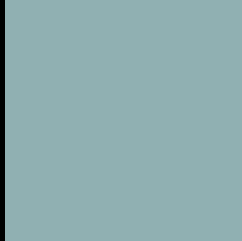
Large Text (above 18pt) WCAG AA × Fail

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 40.1943, 0.2844, 0.3260 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

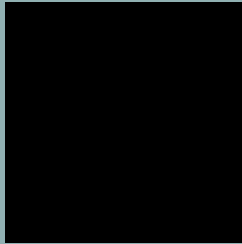
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

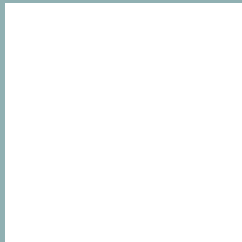
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.1943, 0.2844, 0.3260

Background



This preview shows how black text looks on a background with the Yxy color 40.1943, 0.2844, 0.3260.



This preview shows how white text looks on a background with the Yxy color 40.1943, 0.2844, 0.3260.

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

40.1943, 0.2844, 0.3260

Protanopia

40.0899, 0.3103, 0.3221

Deuteranopia

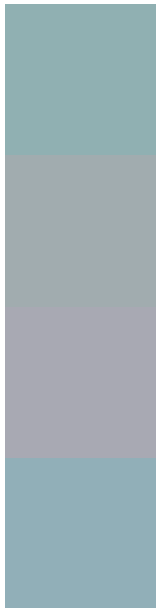
40.0293, 0.3146, 0.3090



Tritanopia

40.0139, 0.2786, 0.3090

Trichromacy



Original Color

40.1943, 0.2844, 0.3260

Protanomaly

40.1773, 0.3006, 0.3247

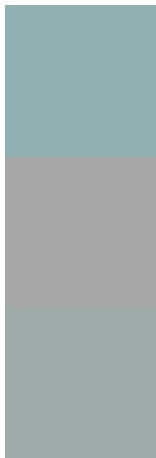
Deuteranomaly

39.9554, 0.3035, 0.3152

Tritanomaly

40.1404, 0.2807, 0.3160

Monochromacy



Original Color

40.1943, 0.2844, 0.3260

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 40.1943, 0.2844, 0.3260 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, 178)` looks like.

```
.text, #text, p{  
    color:rgb(144, 176, 178)  
}
```

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, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 176, 178) }
```

Border

The CSS property to change the border of an element to Yxy 40.1943, 0.2844, 0.3260 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, 178) }
```

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

```
.border{ border-color:rgb(144, 176, 178) }
```

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, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 176, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 176, 178);  
box-shadow:4px 4px 4px 4px rgb(144, 176,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 40.1943, 0.2844, 0.3260 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, 178) }
```

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

```
.background{ background-color: rgb(144,  
176, 178) }
```

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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