

Converting Colors

$Y_{xy}(40.7626, 0.2843, 0.3390)$

Have a look what the booklet for
Yxy(40.7626, 0.2843, 0.3390)
contains.

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Color

Yxy(40.6220, 0.2843, 0.3392)

Conversions

Conversions Part 1

Format	Color
Hex	8AB3AC
RGB	138, 179, 172
RGB Percent	54%, 70%, 67%
CMY	0.4589, 0.2980, 0.3254
CMYK	0.23, 0.00, 0.04, 0.30
HSL	170°, 21%, 62%
HSV	170°, 23%, 70%
XYZ	34.0473, 40.6220, 45.0890
YIQ	165.9430, -22.1890, -10.8690

Conversions

Conversions Part 2

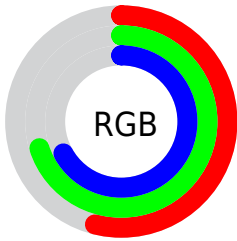
Format	Color
RYB	138, 160, 179
Decimal	9089964
CIELab	69.91, -15.20, -0.95
CIElCh	70, 15.232, 183.584
Yxy	40.6220, 0.2843, 0.3392
Android (android.graphics.Color)	4287280044 (0xFF8AB3AC)
YUV	165.9430, 2.9861, -24.5060
Hunter-Lab	63.7354, -16.1827, 2.6706

Details

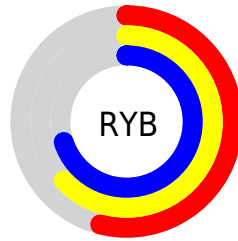
The Yxy color **40.6220, 0.2843, 0.3392** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **29.7993, 0.3511, 0.3191**, and the grayscale version is **38.0974, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.1692, 0.2897, 0.3379**, and **18.3040, 0.2757, 0.3414** is the 20% darker color. If you saturate the color by 10%, you get **39.1051, 0.2733, 0.3443**, and if you desaturate by 10%, it is **42.3965, 0.2963, 0.3345**.

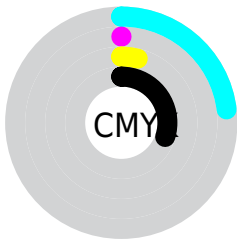
Distribution



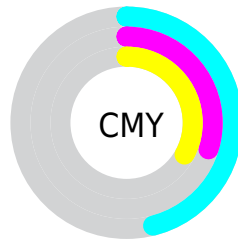
- Red (54%)
- Green (70%)
- Blue (67%)



- Red (54%)
- Yellow (63%)
- Blue (70%)



- Cyan (23%)
- Magenta (0%)
- Yellow (4%)
- Black (30%)





- Cyan (46%)
- Magenta (30%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.6220, 0.2843, 0.3392 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 40.6220, 0.2843, 0.3392 by changing the saturation by 10% instead.


 40.6220, 0.2843,
0.3392


 40.6220, 0.2843,
0.3392


348.7383, 0.2988,
0.3341

 28.0238, 0.2806,
0.3405


 76.1097, 0.2896,
0.3373

 18.3436, 0.2758,
0.3422

 99.7681, 0.2916,
0.3366

 11.1970, 0.2693,
0.3445


 127.8820, 0.2933,
0.3360

 6.1995, 0.2600,
0.3477

160.8359, 0.2947,
0.3355

 2.9668, 0.2457,
0.3525

199.0140, 0.2959,
0.3351

 1.1144, 0.2182,
0.3620

242.8009, 0.2970,

 0.0000, 0.0000,

0.3347

0.0000

292.5808, 0.2980,
0.3344

■ 40.6220, 0.2843,
0.3392

■ 40.6220, 0.2843,
0.3392

■ 39.1051, 0.2733,
0.3443

■ 42.3965, 0.2963,
0.3345

■ 37.8286, 0.2635,
0.3497

■ 44.4352, 0.3089,
0.3302

■ 36.7806, 0.2551,
0.3554

■ 46.7504, 0.3220,
0.3263

■ 35.9465, 0.2485,
0.3613

■ 49.3524, 0.3352,
0.3228

■ 35.3100, 0.2437,
0.3673

■ 52.2508, 0.3484,
0.3197

■ 34.8521, 0.2409,
0.3734

■ 55.4549, 0.3615,
0.3170

■ 34.5505, 0.2399,
0.3794

■ 57.3679, 0.3671,
0.3142

■ 34.3981, 0.2399,
0.3836

■ 57.5055, 0.3644,
0.3110

■ 57.6459, 0.3617,
0.3079

Harmonies

Analogous

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



40.6220, 0.3038, 0.3577



40.6220, 0.2843, 0.3392



40.6220, 0.2725, 0.3183

Triad

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



40.6220, 0.2843, 0.3392



40.6220, 0.2982, 0.2932



40.6220, 0.3561, 0.3548

Complementary

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



40.6220, 0.2843, 0.3392



29.7993, 0.3511, 0.3191

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.



40.6220, 0.3547, 0.3373



40.6220, 0.2843, 0.3392



40.6220, 0.3206, 0.3026

Square

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



40.6220, 0.2843, 0.3392



40.6220, 0.2803, 0.2926



40.6220, 0.3415, 0.3184



40.6220, 0.3455, 0.3663

Rectangle

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



40.6220, 0.2843, 0.3392



40.6220, 0.2703, 0.3063



40.6220, 0.3415, 0.3184



40.6220, 0.3570, 0.3494

Sweetspot

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



40.6237, 0.2843, 0.3392



77.9840, 0.3036, 0.3319



40.1423, 0.3162, 0.3909



17.2296, 0.3028, 0.3322



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.



40.6237, 0.2843, 0.3392



71.1855, 0.2780, 0.3420



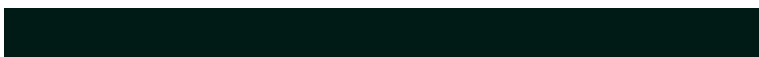
35.9344, 0.2779, 0.3096



9.6062, 0.3008, 0.3329



24.3141, 0.2397, 0.3829



0.7716, 0.2351, 0.3662

Inverse Universe

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



29.7993, 0.3511, 0.3191



48.0490, 0.3635, 0.3166



33.5433, 0.3549, 0.3476



8.5281, 0.3261, 0.3251



6.8470, 0.6121, 0.3145



0.2226, 0.5435, 0.2768

Previews

White Background



This preview shows how the Yxy color 40.6220, 0.2843, 0.3392 looks on a white background.

Color Contrast Check

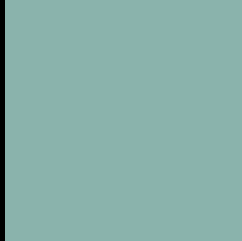
Large Text (above 18pt) WCAG AA × Fail

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 40.6220, 0.2843, 0.3392 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

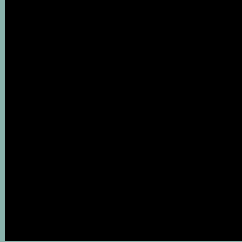
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

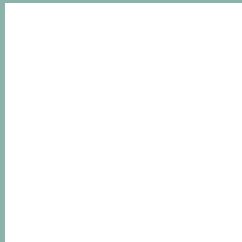
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.6220, 0.2843, 0.3392

Background



This preview shows how black text looks on a background with the Yxy color 40.6220, 0.2843, 0.3392.



This preview shows how white text looks on a background with the Yxy color 40.6220, 0.2843, 0.3392.

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

40.6220, 0.2843, 0.3392

Protanopia

40.5381, 0.3189, 0.3331

Deuteranopia

40.3197, 0.3227, 0.3158



Tritanopia

40.5192, 0.2743, 0.3090

Trichromacy



Original Color

40.6220, 0.2843, 0.3392

Protanomaly

40.3288, 0.3054, 0.3346

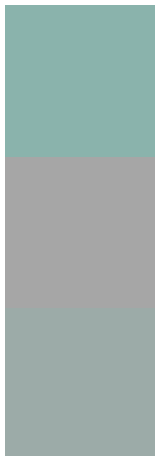
Deuteranomaly

40.1303, 0.3076, 0.3234

Tritanomaly

40.5259, 0.2786, 0.3203

Monochromacy



Original Color

40.6220, 0.2843, 0.3392

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

39.0209, 0.3019, 0.3333

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.6220, 0.2843, 0.3392 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(138, 179, 172)` looks like.

```
.text, #text, p{  
    color:rgb(138, 179, 172)  
}
```

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(138, 179, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 179, 172) }
```

Border

The CSS property to change the border of an element to Yxy 40.6220, 0.2843, 0.3392 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(138, 179, 172) }
```

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

```
.border{ border-color:rgb(138, 179, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 179, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 179, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 179, 172);  
box-shadow:4px 4px 4px 4px rgb(138, 179,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 40.6220, 0.2843, 0.3392 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 179, 172) }
```

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

```
.background{ background-color: rgb(138,  
179, 172) }
```

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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