

Converting Colors

$Yxy(40.8807, 0.2622, 0.3222)$

Have a look what the booklet for
Yxy(40.8807, 0.2622, 0.3222)
contains.

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Color

Yxy(40.9941, 0.2626, 0.3229)

Conversions

Conversions Part 1

Format	Color
Hex	78B6BA
RGB	120, 182, 186
RGB Percent	47%, 71%, 73%
CMY	0.5294, 0.2863, 0.2705
CMYK	0.35, 0.02, 0.00, 0.27
HSL	184°, 32%, 60%
HSV	184°, 35%, 73%
XYZ	33.3387, 40.9941, 52.6233
YIQ	163.9180, -38.2360, -11.9000

Conversions

Conversions Part 2

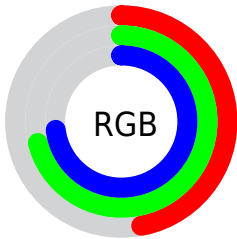
Format	Color
R _Y B	120, 152, 186
Decimal	7911098
CIE Lab	70.17, -18.81, -8.38
CIE LCh	70, 20.593, 204.015
Yxy	40.9941, 0.2626, 0.3229
Android (android.graphics.Color)	4286101178 (0xFF78B6BA)
YUV	163.9180, 10.8864, -38.5161
Hunter-Lab	64.0266, -19.1017, -3.9116

Details

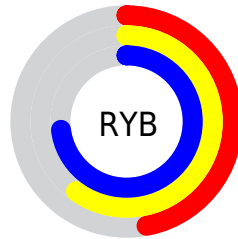
The Yxy color **40.9941, 0.2626, 0.3229** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **26.2207, 0.3942, 0.3349**, and the grayscale version is **37.0458, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.6738, 0.2719, 0.3244**, and **18.5873, 0.2482, 0.3204** is the 20% darker color. If you saturate the color by 10%, you get **39.3297, 0.2511, 0.3209**, and if you desaturate by 10%, it is **42.9239, 0.2755, 0.3248**.

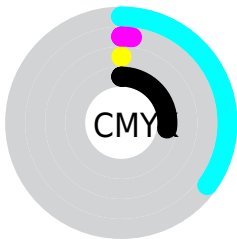
Distribution



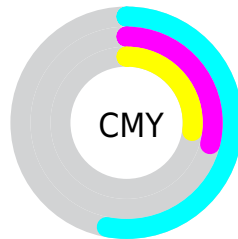
- Red (47%)
- Green (71%)
- Blue (73%)



- Red (47%)
- Yellow (60%)
- Blue (73%)



- Cyan (35%)
- Magenta (2%)
- Yellow (0%)
- Black (27%)





- Cyan (53%)
- Magenta (29%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.9941, 0.2626, 0.3229 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 40.9941, 0.2626, 0.3229 by changing the saturation by 10% instead.

 40.9941, 0.2626,
0.3229


 40.9941, 0.2626,
0.3229

350.2960, 0.2878,
0.3265

 28.3145, 0.2563,
0.3218


 76.6749, 0.2718,
0.3243

 18.5629, 0.2481,
0.3204


 100.4449, 0.2752,
0.3248

 11.3548, 0.2373,
0.3182


 128.6805, 0.2781,
0.3252

 6.3060, 0.2222,
0.3149

161.7661, 0.2806,
0.3256

 3.0320, 0.1997,
0.3091

200.0860, 0.2828,
0.3258

 1.1485, 0.1590,
0.2988

244.0247, 0.2847,

 0.0190, 0.0000,

0.3261

0.0304

293.9666, 0.2863,
0.3263

0.0000, 0.0000,
0.0000

40.9941, 0.2626,
0.3229

40.9941, 0.2626,
0.3229

39.3297, 0.2511,
0.3209

42.9239, 0.2755,
0.3248

37.9108, 0.2413,
0.3189

45.1280, 0.2895,
0.3265

36.7224, 0.2333,
0.3169

47.6209, 0.3043,
0.3282

35.7459, 0.2271,
0.3148

50.4147, 0.3197,
0.3297

34.9597, 0.2228,
0.3128

53.5206, 0.3354,
0.3310

■ 34.3370, 0.2203,
0.3108

■ 56.9494, 0.3511,
0.3322

■ 34.0839, 0.2194,
0.3099

■ 60.7113, 0.3666,
0.3333

■ 62.0995, 0.3703,
0.3344

■ 62.5962, 0.3700,
0.3356

Harmonies

Analogous

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



40.9941, 0.2819, 0.3516



40.9941, 0.2626, 0.3229



40.9941, 0.2562, 0.2978

Triad

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



40.9941, 0.2626, 0.3229



40.9941, 0.3132, 0.2889



40.9941, 0.3629, 0.3753

Complementary

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



40.9941, 0.2626, 0.3229



26.2207, 0.3942, 0.3349

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.



40.9941, 0.3726, 0.3561



40.9941, 0.2626, 0.3229



40.9941, 0.3432, 0.3074

Square

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



40.9941, 0.2626, 0.3229



40.9941, 0.2844, 0.2799



40.9941, 0.3654, 0.3314



40.9941, 0.3397, 0.3827

Rectangle

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



40.9941, 0.2626, 0.3229



40.9941, 0.2599, 0.2863



40.9941, 0.3654, 0.3314



40.9941, 0.3679, 0.3699

Sweetspot

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



40.9957, 0.2626, 0.3229



83.6535, 0.2958, 0.3272



40.5594, 0.3055, 0.4287



18.2887, 0.2938, 0.3270



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



40.9957, 0.2626, 0.3229



71.7696, 0.2531, 0.3213



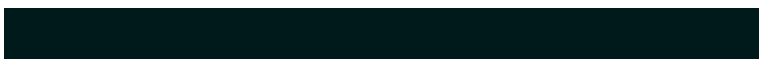
29.2608, 0.2558, 0.2724



10.1143, 0.2985, 0.3276



22.9638, 0.2195, 0.3101



0.8380, 0.2209, 0.3153

Inverse Universe

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



27.2534, 0.3210, 0.2470



43.1725, 0.3232, 0.2290



35.6813, 0.3784, 0.3794



9.1530, 0.3147, 0.3078



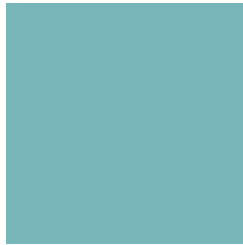
9.1005, 0.3366, 0.1628



0.3237, 0.3322, 0.1603

Previews

White Background



This preview shows how the Yxy color 40.9941, 0.2626, 0.3229 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 40.9941, 0.2626, 0.3229 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

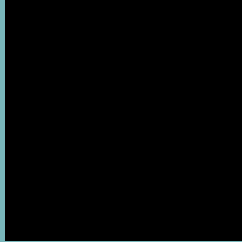
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

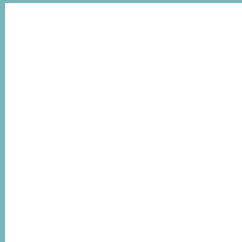
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.9941, 0.2626, 0.3229

Background



This preview shows how black text looks on a background with the Yxy color 40.9941, 0.2626, 0.3229.

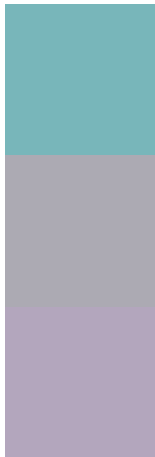


This preview shows how white text looks on a background with the Yxy color 40.9941, 0.2626, 0.3229.

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

40.9941, 0.2626, 0.3229

Protanopia

40.7748, 0.3070, 0.3167

Deuteranopia

40.5303, 0.3051, 0.2986



Tritanopia

41.1255, 0.2581, 0.3086

Trichromacy



Original Color

40.9941, 0.2626, 0.3229

Protanomaly

40.4218, 0.2885, 0.3176

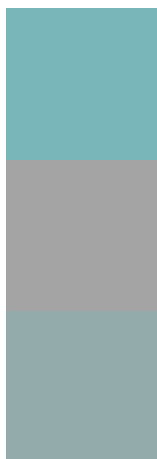
Deuteranomaly

40.4050, 0.2880, 0.3068

Tritanomaly

40.9185, 0.2593, 0.3128

Monochromacy



Original Color

40.9941, 0.2626, 0.3229

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

38.4003, 0.2918, 0.3275

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.9941, 0.2626, 0.3229 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(120, 182, 186)` looks like.

```
.text, #text, p{  
    color:rgb(120, 182, 186)  
}
```

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(120, 182, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 182, 186) }
```

Border

The CSS property to change the border of an element to Yxy 40.9941, 0.2626, 0.3229 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(120, 182, 186) }
```

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

```
.border{ border-color:rgb(120, 182, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 182, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 182, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 182, 186);  
box-shadow:4px 4px 4px 4px rgb(120, 182,  
186) }
```


Background

The CSS property to change the background color of an element to Yxy 40.9941, 0.2626, 0.3229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 182, 186) }
```

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

```
.background{ background-color: rgb(120,  
182, 186) }
```

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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