

Converting Colors

$Yxy(42.6680, 0.2640, 0.3307)$

Have a look what the booklet for
Yxy(42.6680, 0.2640, 0.3307)
contains.

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Color

Yxy(42.6137, 0.2640, 0.3303)

Conversions

Conversions Part 1

Format	Color
Hex	78BAB9
RGB	120, 186, 185
RGB Percent	47%, 73%, 73%
CMY	0.5295, 0.2706, 0.2744
CMYK	0.36, 0.00, 0.01, 0.27
HSL	179°, 32%, 60%
HSV	179°, 36%, 73%
XYZ	34.0600, 42.6137, 52.3414
YIQ	166.1520, -39.0150, -14.3030

Conversions

Conversions Part 2

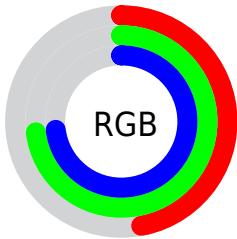
Format	Color
RYB	120, 153, 186
Decimal	7912121
CIELab	71.29, -21.11, -6.17
CIELCh	71, 21.997, 196.287
Yxy	42.6137, 0.2640, 0.3303
Android (android.graphics.Color)	4286102201 (0xFF78BAB9)
YUV	166.1520, 9.2921, -40.4753
Hunter-Lab	65.2792, -21.1046, -1.8439

Details

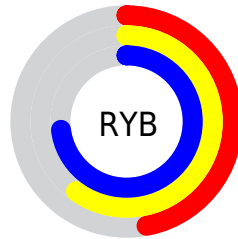
The Yxy color **42.6137, 0.2640, 0.3303** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **25.2447, 0.3950, 0.3279**, and the grayscale version is **38.1770, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.9691, 0.2729, 0.3300**, and **19.6343, 0.2506, 0.3309** is the 20% darker color. If you saturate the color by 10%, you get **41.4009, 0.2532, 0.3307**, and if you desaturate by 10%, it is **44.0882, 0.2763, 0.3299**.

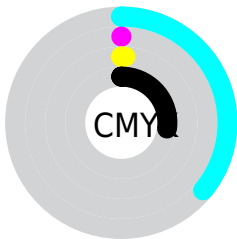
Distribution



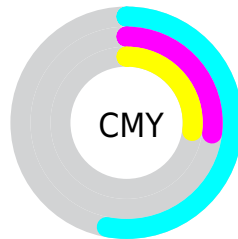
- Red (47%)
- Green (73%)
- Blue (73%)



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



- Cyan (36%)
- Magenta (0%)
- Yellow (1%)
- Black (27%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.6137, 0.2640, 0.3303 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 42.6137, 0.2640, 0.3303 by changing the saturation by 10% instead.


 42.6137, 0.2640,
0.3303

 42.6137, 0.2640,
0.3303


357.0207, 0.2884,
0.3300


 29.5821, 0.2579,
0.3302


 79.1276, 0.2729,
0.3303

 19.5216, 0.2501,
0.3301


 103.3787, 0.2762,
0.3303

 12.0478, 0.2397,
0.3297


 132.1385, 0.2790,
0.3302

 6.7762, 0.2252,
0.3290

165.7913, 0.2814,
0.3302

 3.3226, 0.2038,
0.3272

204.7215, 0.2835,
0.3302

 1.3024, 0.1671,
0.3234

249.3135, 0.2854,

 0.1430, 0.0000,

0.3301

0.1959

299.9518, 0.2870,
0.3301

0.0000, 0.0000,
0.0000

42.6137, 0.2640,
0.3303

42.6137, 0.2640,
0.3303

41.4009, 0.2532,
0.3307

44.0882, 0.2763,
0.3299

40.4296, 0.2442,
0.3312

45.8332, 0.2899,
0.3295

39.6851, 0.2370,
0.3316

47.8632, 0.3044,
0.3292

39.1487, 0.2317,
0.3321

50.1901, 0.3196,
0.3289

38.7989, 0.2282,
0.3326

52.8253, 0.3353,
0.3286

■ 38.6087, 0.2264,
0.3330

■ 55.7796, 0.3511,
0.3284

■ 38.5496, 0.2259,
0.3333

■ 59.0631, 0.3668,
0.3281

■ 59.9789, 0.3706,
0.3279

■ 59.9908, 0.3704,
0.3276

Harmonies

Analogous

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



42.6137, 0.2872, 0.3601



42.6137, 0.2640, 0.3303



42.6137, 0.2536, 0.3020

Triad

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



42.6137, 0.2640, 0.3303



42.6137, 0.3049, 0.2833



42.6137, 0.3698, 0.3734

Complementary

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



42.6137, 0.2640, 0.3303



25.2447, 0.3950, 0.3279

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.



42.6137, 0.3757, 0.3510



42.6137, 0.2640, 0.3303



42.6137, 0.3371, 0.3005

Square

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



42.6137, 0.2640, 0.3303



42.6137, 0.2763, 0.2768



42.6137, 0.3635, 0.3247



42.6137, 0.3484, 0.3852

Rectangle

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



42.6137, 0.2640, 0.3303



42.6137, 0.2549, 0.2880



42.6137, 0.3635, 0.3247



42.6137, 0.3737, 0.3667

Sweetspot

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



42.6154, 0.2640, 0.3303



84.5936, 0.2960, 0.3294



40.5460, 0.3086, 0.4339



18.5208, 0.2941, 0.3294



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.



42.6154, 0.2640, 0.3303



75.3964, 0.2550, 0.3307



30.6768, 0.2567, 0.2795



10.2083, 0.2987, 0.3293



25.9338, 0.2259, 0.3332



0.9150, 0.2256, 0.3320

Inverse Universe

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



25.2447, 0.3950, 0.3279



39.0048, 0.4243, 0.3276



34.2152, 0.3805, 0.3736



9.0143, 0.3285, 0.3287



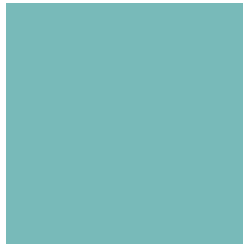
7.0282, 0.6381, 0.3289



0.2485, 0.6303, 0.3246

Previews

White Background



This preview shows how the Yxy color 42.6137, 0.2640, 0.3303 looks on a white background.

Color Contrast Check

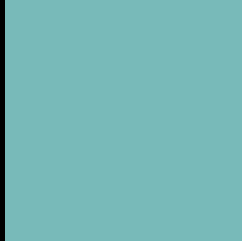
Large Text (above 18pt) WCAG AA × Fail

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 42.6137, 0.2640, 0.3303 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

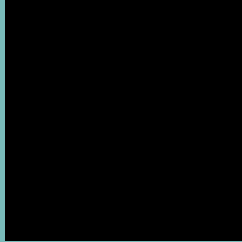
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

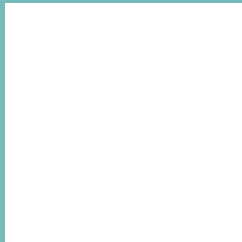
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.6137, 0.2640, 0.3303

Background



This preview shows how black text looks on a background with the Yxy color 42.6137, 0.2640, 0.3303.

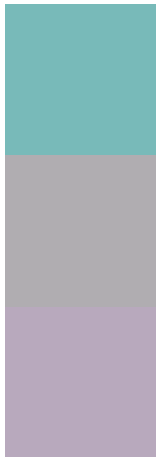


This preview shows how white text looks on a background with the Yxy color 42.6137, 0.2640, 0.3303.

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

42.6137, 0.2640, 0.3303

Protanopia

42.2916, 0.3121, 0.3236

Deuteranopia

42.2404, 0.3095, 0.3030



Tritanopia

42.6155, 0.2570, 0.3074

Trichromacy



Original Color

42.6137, 0.2640, 0.3303

Protanomaly

42.2040, 0.2926, 0.3261

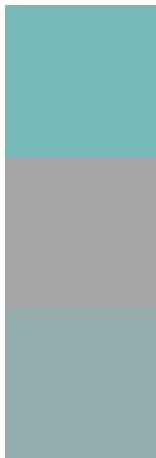
Deuteranomaly

41.8679, 0.2906, 0.3111

Tritanomaly

42.7305, 0.2596, 0.3159

Monochromacy



Original Color

42.6137, 0.2640, 0.3303

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

39.2938, 0.2920, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.6137, 0.2640, 0.3303 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, 186, 185)` looks like.

```
.text, #text, p{  
    color:rgb(120, 186, 185)  
}
```

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, 186, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 186, 185) }
```

Border

The CSS property to change the border of an element to Yxy 42.6137, 0.2640, 0.3303 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, 186, 185) }
```

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

```
.border{ border-color:rgb(120, 186, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 186, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(120, 186, 185); -webkit-box-shadow:4px 4px 4px 4px rgb(120, 186, 185); box-shadow:4px 4px 4px 4px rgb(120, 186, 185) }
```


Background

The CSS property to change the background color of an element to Yxy 42.6137, 0.2640, 0.3303 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 186, 185) }
```

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

```
.background{ background-color: rgb(120,  
186, 185) }
```

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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