

Converting Colors

$Y_{xy}(42.7150, 0.2633, 0.3289)$

Have a look what the booklet for
Yxy(42.7150, 0.2633, 0.3289)
contains.

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Color

Yxy(42.6561, 0.2634, 0.3289)

Conversions

Conversions Part 1

Format	Color
Hex	78BABA
RGB	120, 186, 186
RGB Percent	47%, 73%, 73%
CMY	0.5296, 0.2705, 0.2707
CMYK	0.36, 0.00, 0.00, 0.27
HSL	180°, 32%, 60%
HSV	180°, 36%, 73%
XYZ	34.1612, 42.6561, 52.8759
YIQ	166.2660, -39.3360, -13.9920

Conversions

Conversions Part 2

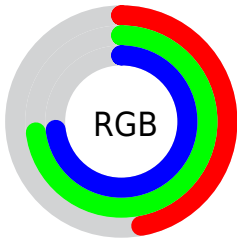
Format	Color
RYB	120, 153, 186
Decimal	7912122
CIELab	71.32, -20.89, -6.65
CIELCh	71, 21.920, 197.661
Yxy	42.6561, 0.2634, 0.3289
Android (android.graphics.Color)	4286102202 (0xFF78BABA)
YUV	166.2660, 9.7289, -40.5753
Hunter-Lab	65.3116, -20.9311, -2.2827

Details

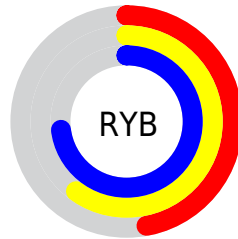
The Yxy color **42.6561, 0.2634, 0.3289** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **25.2194, 0.3962, 0.3292**, and the grayscale version is **38.2308, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.0290, 0.2724, 0.3289**, and **19.6618, 0.2498, 0.3288** is the 20% darker color. If you saturate the color by 10%, you get **41.4547, 0.2525, 0.3289**, and if you desaturate by 10%, it is **44.1192, 0.2758, 0.3289**.

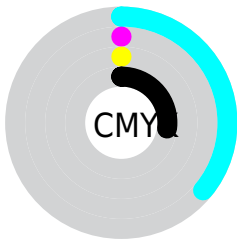
Distribution



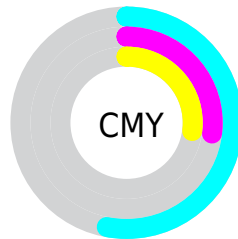
- Red (47%)
- Green (73%)
- Blue (73%)



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



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





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.6561, 0.2634, 0.3289 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 42.6561, 0.2634, 0.3289 by changing the saturation by 10% instead.


 42.6561, 0.2634,
0.3289

 42.6561, 0.2634,
0.3289


357.1956, 0.2881,
0.3294

 29.6154, 0.2572,
0.3286


 79.1916, 0.2724,
0.3292

 19.5468, 0.2493,
0.3282


 103.4553, 0.2757,
0.3292

 12.0661, 0.2389,
0.3275


 132.2286, 0.2786,
0.3293

 6.7887, 0.2243,
0.3263

165.8961, 0.2810,
0.3293

 3.3303, 0.2027,
0.3238

204.8422, 0.2831,
0.3293

 1.3065, 0.1661,
0.3185

249.4512, 0.2850,

 0.1462, 0.0000,

0.3294

0.1898

300.1075, 0.2866,
0.3294

0.0000, 0.0000,
0.0000

42.6561, 0.2634,
0.3289

42.6561, 0.2634,
0.3289

41.4547, 0.2525,
0.3289

44.1192, 0.2758,
0.3289

40.4948, 0.2434,
0.3289

45.8528, 0.2895,
0.3290

39.7617, 0.2361,
0.3289


47.8713, 0.3043,
0.3290


39.2367, 0.2307,
0.3289

50.1867, 0.3197,
0.3290


38.8981, 0.2272,
0.3289

52.8105, 0.3356,
0.3291

 38.7193, 0.2253,
0.3289

 55.7533, 0.3516,
0.3291

 38.6652, 0.2247,
0.3289

 59.0253, 0.3675,
0.3291

 59.9308, 0.3716,
0.3291

 59.9312, 0.3716,
0.3291

Harmonies

Analogous

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



42.6561, 0.2860, 0.3587



42.6561, 0.2634, 0.3289



42.6561, 0.2537, 0.3010

Triad

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



42.6561, 0.2634, 0.3289



42.6561, 0.3064, 0.2841



42.6561, 0.3689, 0.3740

Complementary

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



42.6561, 0.2634, 0.3289



25.2194, 0.3962, 0.3292

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.



42.6561, 0.3756, 0.3520



42.6561, 0.2634, 0.3289



42.6561, 0.3384, 0.3016

Square

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



42.6561, 0.2634, 0.3289



42.6561, 0.2775, 0.2770



42.6561, 0.3642, 0.3259



42.6561, 0.3470, 0.3851

Rectangle

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



42.6561, 0.2634, 0.3289



42.6561, 0.2554, 0.2874



42.6561, 0.3642, 0.3259



42.6561, 0.3731, 0.3676

Sweetspot

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



42.6578, 0.2634, 0.3289



84.6167, 0.2958, 0.3290



40.5476, 0.3086, 0.4339



18.5265, 0.2938, 0.3290



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.



42.6578, 0.2634, 0.3289



75.4863, 0.2544, 0.3289



30.6755, 0.2567, 0.2795



10.2106, 0.2986, 0.3290



26.0087, 0.2247, 0.3289



0.9169, 0.2247, 0.3288

Inverse Universe

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



25.2194, 0.3962, 0.3292



38.9610, 0.4260, 0.3293



34.2148, 0.3805, 0.3736



9.0123, 0.3288, 0.3290



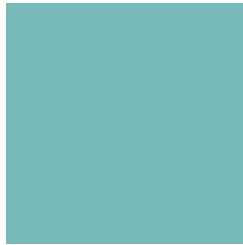
7.0233, 0.6400, 0.3299



0.2476, 0.6397, 0.3298

Previews

White Background



This preview shows how the Yxy color 42.6561, 0.2634, 0.3289 looks on a white background.

Color Contrast Check

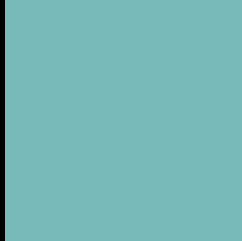
Large Text (above 18pt) WCAG AA × Fail

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 42.6561, 0.2634, 0.3289 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

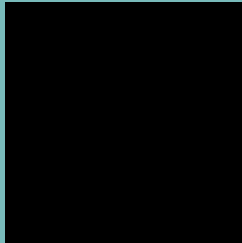
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

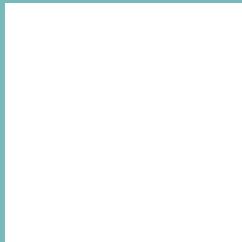
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.6561, 0.2634, 0.3289

Background



This preview shows how black text looks on a background with the Yxy color 42.6561, 0.2634, 0.3289.



This preview shows how white text looks on a background with the Yxy color 42.6561, 0.2634, 0.3289.

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

42.6561, 0.2634, 0.3289

Protanopia

42.3316, 0.3113, 0.3223

Deuteranopia

42.2840, 0.3086, 0.3017



Tritanopia

42.6155, 0.2570, 0.3074

Trichromacy



Original Color

42.6561, 0.2634, 0.3289

Protanomaly

42.2449, 0.2919, 0.3247

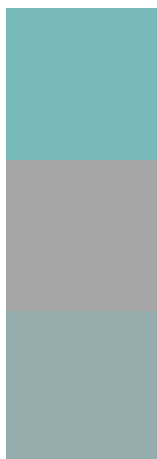
Deuteranomaly

41.9111, 0.2898, 0.3098

Tritanomaly

42.7305, 0.2596, 0.3159

Monochromacy



Original Color

42.6561, 0.2634, 0.3289

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 42.6561, 0.2634, 0.3289 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, 186)` looks like.

```
.text, #text, p{  
    color:rgb(120, 186, 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, 186, 186) colored shadow looks like.

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

Border

The CSS property to change the border of an element to Yxy 42.6561, 0.2634, 0.3289 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, 186) }
```

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

```
.border{ border-color:rgb(120, 186, 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, 186, 186)` colored shadow looks like.

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


Background

The CSS property to change the background color of an element to Yxy 42.6561, 0.2634, 0.3289 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, 186) }
```

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

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