

Converting Colors

$Y_{xy}(46.1921, 0.2667, 0.3299)$

Have a look what the booklet for
Yxy(46.1921, 0.2667, 0.3299)
contains.

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Color

Yxy(46.1280, 0.2671, 0.3303)

Conversions

Conversions Part 1

Format	Color
Hex	81C0BF
RGB	129, 192, 191
RGB Percent	51%, 75%, 75%
CMY	0.4943, 0.2470, 0.2510
CMYK	0.33, 0.00, 0.01, 0.25
HSL	179°, 33%, 63%
HSV	179°, 33%, 75%
XYZ	37.3018, 46.1280, 56.2250
YIQ	173.0490, -37.2270, -13.6670

Conversions

Conversions Part 2

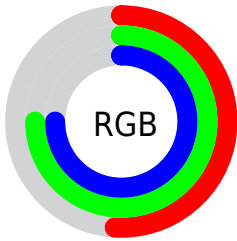
Format	Color
RYB	129, 161, 192
Decimal	8503487
CIELab	73.63, -20.26, -5.92
CIELCh	74, 21.105, 196.299
Yxy	46.1280, 0.2671, 0.3303
Android (android.graphics.Color)	4286693567 (0xFF81C0BF)
YUV	173.0490, 8.8498, -38.6310
Hunter-Lab	67.9176, -20.8197, -1.5404

Details

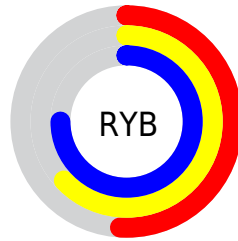
The Yxy color **46.1280, 0.2671, 0.3303** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **28.5094, 0.3865, 0.3278**, and the grayscale version is **41.7804, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.6571, 0.2754, 0.3311**, and **21.5484, 0.2542, 0.3288** is the 20% darker color. If you saturate the color by 10%, you get **44.7518, 0.2559, 0.3308**, and if you desaturate by 10%, it is **47.7904, 0.2798, 0.3299**.

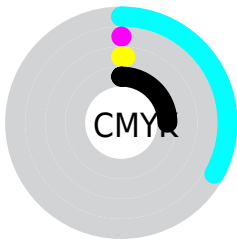
Distribution



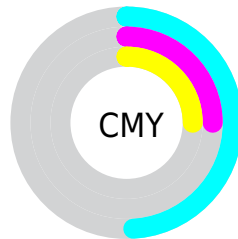
- Red (51%)
- Green (75%)
- Blue (75%)



- Red (51%)
- Yellow (63%)
- Blue (75%)



- Cyan (33%)
- Magenta (0%)
- Yellow (1%)
- Black (25%)





- Cyan (49%)
- Magenta (25%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.1280, 0.2671, 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 46.1280, 0.2671, 0.3303 by changing the saturation by 10% instead.


 46.1280, 0.2671,
0.3303

 46.1280, 0.2671,
0.3303


371.3230, 0.2897,
0.3300

 32.3468, 0.2615,
0.3303


 84.4105, 0.2752,
0.3303

 21.6266, 0.2545,
0.3302


 109.6807, 0.2783,
0.3302

 13.5828, 0.2451,
0.3299


 139.5493, 0.2809,
0.3302

 7.8310, 0.2323,
0.3294

174.4008, 0.2832,
0.3302

 3.9870, 0.2135,
0.3281

214.6195, 0.2851,
0.3301

 1.6663, 0.1838,
0.3247

260.5898, 0.2868,

 0.4017, 0.0000,

0.3301

0.3205

312.6962, 0.2883,
0.3300

0.0000, 0.0000,
0.0000

46.1280, 0.2671,
0.3303

46.1280, 0.2671,
0.3303

44.7518, 0.2559,
0.3308

47.7904, 0.2798,
0.3299

43.6404, 0.2464,
0.3313

49.7482, 0.2936,
0.3295

42.7782, 0.2387,
0.3318

52.0167, 0.3084,
0.3291

42.1458, 0.2329,
0.3323

54.6088, 0.3238,
0.3288

41.7206, 0.2290,
0.3328

57.5364, 0.3395,
0.3285

■ 41.4760, 0.2268,
0.3333

■ 60.8111, 0.3553,
0.3282

■ 41.3750, 0.2260,
0.3336

■ 62.8217, 0.3641,
0.3280

■ 62.8355, 0.3638,
0.3276

■ 62.8494, 0.3635,
0.3273

Harmonies

Analogous

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



46.1280, 0.2889, 0.3580



46.1280, 0.2671, 0.3303



46.1280, 0.2573, 0.3038

Triad

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



46.1280, 0.2671, 0.3303



46.1280, 0.3055, 0.2862



46.1280, 0.3661, 0.3706

Complementary

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



46.1280, 0.2671, 0.3303



28.5094, 0.3865, 0.3278

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.



46.1280, 0.3715, 0.3497



46.1280, 0.2671, 0.3303



46.1280, 0.3356, 0.3023

Square

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



46.1280, 0.2671, 0.3303



46.1280, 0.2786, 0.2801



46.1280, 0.3602, 0.3251



46.1280, 0.3461, 0.3814

Rectangle

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



46.1280, 0.2671, 0.3303



46.1280, 0.2585, 0.2907



46.1280, 0.3602, 0.3251



46.1280, 0.3697, 0.3645

Sweetspot

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



46.1298, 0.2671, 0.3303



91.1728, 0.2975, 0.3294



44.0351, 0.3090, 0.4250



19.4400, 0.2954, 0.3294



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



46.1298, 0.2671, 0.3303



81.8248, 0.2593, 0.3306



34.1484, 0.2609, 0.2837



11.4256, 0.2987, 0.3293



27.8384, 0.2260, 0.3336



1.2037, 0.2257, 0.3324

Inverse Universe

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



28.5094, 0.3865, 0.3278



45.2381, 0.4093, 0.3276



37.7383, 0.3745, 0.3702



10.0805, 0.3286, 0.3287



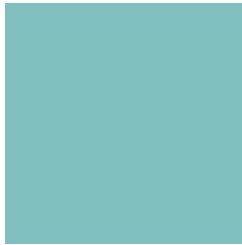
7.5464, 0.6381, 0.3289



0.3270, 0.6306, 0.3247

Previews

White Background



This preview shows how the Yxy color 46.1280, 0.2671, 0.3303 looks on a white background.

Color Contrast Check

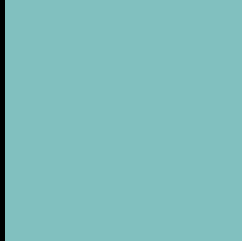
Large Text (above 18pt) WCAG AA × Fail

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 46.1280, 0.2671, 0.3303 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

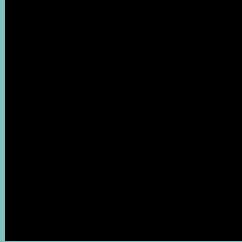
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

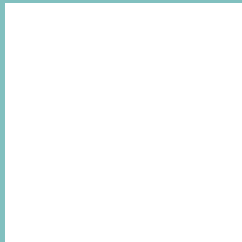
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.1280, 0.2671, 0.3303

Background



This preview shows how black text looks on a background with the Yxy color 46.1280, 0.2671, 0.3303.



This preview shows how white text looks on a background with the Yxy color 46.1280, 0.2671, 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

46.1280, 0.2671, 0.3303

Protanopia

45.6042, 0.3121, 0.3238

Deuteranopia

45.6764, 0.3104, 0.3038



Tritanopia

46.1402, 0.2602, 0.3082

Trichromacy



Original Color

46.1280, 0.2671, 0.3303

Protanomaly

45.6127, 0.2940, 0.3262

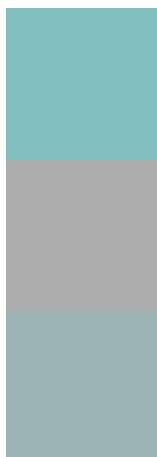
Deuteranomaly

45.2676, 0.2920, 0.3117

Tritanomaly

46.2570, 0.2627, 0.3164

Monochromacy



Original Color

46.1280, 0.2671, 0.3303

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

43.1059, 0.2935, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.1280, 0.2671, 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(129, 192, 191)` looks like.

```
.text, #text, p{  
    color:rgb(129, 192, 191)  
}
```

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(129, 192, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 192, 191) }
```

Border

The CSS property to change the border of an element to Yxy 46.1280, 0.2671, 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(129, 192, 191) }
```

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

```
.border{ border-color:rgb(129, 192, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 192, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 192, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 192, 191);  
box-shadow:4px 4px 4px 4px rgb(129, 192,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 46.1280, 0.2671, 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(129, 192, 191) }
```

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

```
.background{ background-color: rgb(129,  
192, 191) }
```

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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