

Converting Colors

$Y_{xy}(42.1516, 0.2716, 0.3314)$

Have a look what the booklet for
Yxy(42.1516, 0.2716, 0.3314)
contains.

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Color

Yxy(42.3255, 0.2715, 0.3318)

Conversions

Conversions Part 1

Format	Color
Hex	81B8B6
RGB	129, 184, 182
RGB Percent	51%, 72%, 71%
CMY	0.4943, 0.2784, 0.2862
CMYK	0.30, 0.00, 0.01, 0.28
HSL	178°, 28%, 61%
HSV	178°, 30%, 72%
XYZ	34.6334, 42.3255, 50.6044
YIQ	167.3270, -32.1380, -12.2820

Conversions

Conversions Part 2

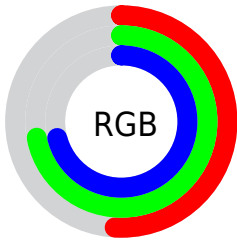
Format	Color
RYB	129, 157, 184
Decimal	8501430
CIELab	71.09, -18.28, -4.76
CIELCh	71, 18.890, 194.583
Yxy	42.3255, 0.2715, 0.3318
Android (android.graphics.Color)	4286691510 (0xFF81B8B6)
YUV	167.3270, 7.2338, -33.6128
Hunter-Lab	65.0581, -18.8277, -0.5771

Details

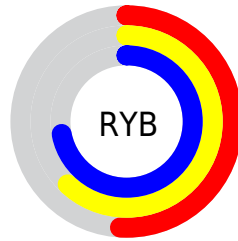
The Yxy color **42.3255, 0.2715, 0.3318** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **27.5201, 0.3760, 0.3263**, and the grayscale version is **38.7844, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.6836, 0.2793, 0.3311**, and **19.3954, 0.2599, 0.3330** is the 20% darker color. If you saturate the color by 10%, you get **40.9865, 0.2600, 0.3329**, and if you desaturate by 10%, it is **43.9275, 0.2843, 0.3308**.

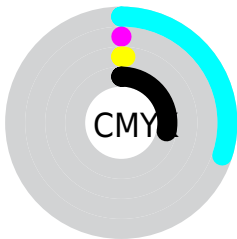
Distribution



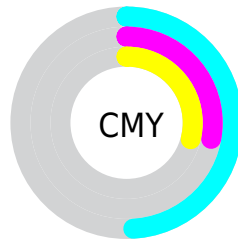
- Red (51%)
- Green (72%)
- Blue (71%)



- Red (51%)
- Yellow (62%)
- Blue (72%)



- Cyan (30%)
- Magenta (0%)
- Yellow (1%)
- Black (28%)





- Cyan (49%)
- Magenta (28%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.3255, 0.2715, 0.3318 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 42.3255, 0.2715, 0.3318 by changing the saturation by 10% instead.


 42.3255, 0.2715,
0.3318


 42.3255, 0.2715,
0.3318


355.8305, 0.2922,
0.3307

 29.3563, 0.2663,
0.3320


 78.6920, 0.2791,
0.3314

 19.3505, 0.2596,
0.3322


 102.8581, 0.2819,
0.3313

 11.9238, 0.2506,
0.3324

 131.5252, 0.2843,
0.3312

 6.6918, 0.2381,
0.3325

165.0778, 0.2863,
0.3310

 3.2701, 0.2193,
0.3322

203.9002, 0.2881,
0.3309

 1.2743, 0.1872,
0.3309

248.3769, 0.2897,

 0.1212, 0.0000,

0.3308

0.2069

298.8922, 0.2910,
0.3307

0.0000, 0.0000,
0.0000

42.3255, 0.2715,
0.3318

42.3255, 0.2715,
0.3318

40.9865, 0.2600,
0.3329

43.9275, 0.2843,
0.3308

39.8915, 0.2502,
0.3340

45.8002, 0.2982,
0.3299

39.0269, 0.2421,
0.3352

47.9574, 0.3128,
0.3290

38.3758, 0.2358,
0.3363

50.4105, 0.3280,
0.3282

37.9188, 0.2315,
0.3375

53.1701, 0.3434,
0.3275

■ 37.6334, 0.2289,
0.3387

■ 56.2464, 0.3588,
0.3269

■ 37.4736, 0.2278,
0.3399

■ 59.1199, 0.3716,
0.3264

■ 37.4723, 0.2277,
0.3399

■ 59.1485, 0.3711,
0.3257

■ 59.1773, 0.3705,
0.3250

Harmonies

Analogous

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



42.3255, 0.2922, 0.3569



42.3255, 0.2715, 0.3318



42.3255, 0.2617, 0.3072

Triad

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



42.3255, 0.2715, 0.3318



42.3255, 0.3046, 0.2887



42.3255, 0.3626, 0.3666

Complementary

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



42.3255, 0.2715, 0.3318



27.5201, 0.3760, 0.3263

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.



42.3255, 0.3666, 0.3470



42.3255, 0.2715, 0.3318



42.3255, 0.3323, 0.3033

Square

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



42.3255, 0.2715, 0.3318



42.3255, 0.2801, 0.2838



42.3255, 0.3554, 0.3242



42.3255, 0.3449, 0.3770

Rectangle

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



42.3255, 0.2715, 0.3318



42.3255, 0.2623, 0.2946



42.3255, 0.3554, 0.3242



42.3255, 0.3656, 0.3608

Sweetspot

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



42.3272, 0.2715, 0.3318



83.2957, 0.2993, 0.3298



40.7518, 0.3109, 0.4144



17.8429, 0.2972, 0.3299



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



42.3272, 0.2715, 0.3318



75.0447, 0.2637, 0.3325



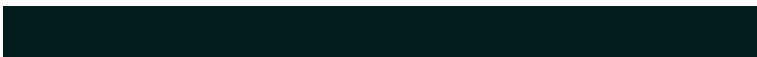
33.0039, 0.2661, 0.2914



10.2049, 0.2990, 0.3298



25.8248, 0.2277, 0.3397



0.9122, 0.2269, 0.3367

Inverse Universe

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



27.5201, 0.3760, 0.3263



43.8079, 0.3966, 0.3257



34.7992, 0.3684, 0.3638



9.0174, 0.3282, 0.3282



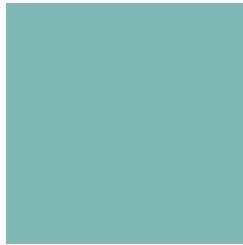
7.0355, 0.6354, 0.3274



0.2498, 0.6169, 0.3172

Previews

White Background



This preview shows how the Yxy color 42.3255, 0.2715, 0.3318 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 42.3255, 0.2715, 0.3318 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

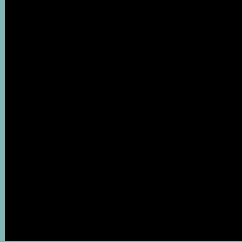
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

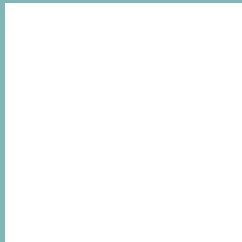
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.3255, 0.2715, 0.3318

Background



This preview shows how black text looks on a background with the Yxy color 42.3255, 0.2715, 0.3318.



This preview shows how white text looks on a background with the Yxy color 42.3255, 0.2715, 0.3318.

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

42.3255, 0.2715, 0.3318

Protanopia

41.8303, 0.3138, 0.3250

Deuteranopia

41.8223, 0.3138, 0.3068



Tritanopia

42.3470, 0.2642, 0.3090

Trichromacy



Original Color

42.3255, 0.2715, 0.3318

Protanomaly

41.6359, 0.2966, 0.3262

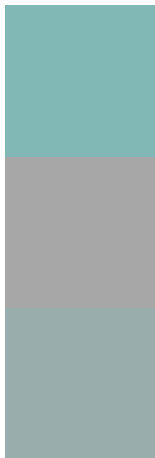
Deuteranomaly

41.7321, 0.2969, 0.3153

Tritanomaly

42.4539, 0.2669, 0.3174

Monochromacy



Original Color

42.3255, 0.2715, 0.3318

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

39.6380, 0.2961, 0.3304

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.3255, 0.2715, 0.3318 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, 184, 182)` looks like.

```
.text, #text, p{  
    color:rgb(129, 184, 182)  
}
```

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, 184, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 184, 182) }
```

Border

The CSS property to change the border of an element to Yxy 42.3255, 0.2715, 0.3318 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, 184, 182) }
```

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

```
.border{ border-color:rgb(129, 184, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 184, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 184, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 184, 182);  
box-shadow:4px 4px 4px 4px rgb(129, 184,  
182) }
```


Background

The CSS property to change the background color of an element to Yxy 42.3255, 0.2715, 0.3318 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 184, 182) }
```

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

```
.background{ background-color: rgb(129,  
184, 182) }
```

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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