

Converting Colors

$Yxy(42.6874, 0.2697, 0.3171)$

Have a look what the booklet for
Yxy(42.6874, 0.2697, 0.3171)
contains.

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Color

Yxy(42.7795, 0.2696, 0.3175)

Conversions

Conversions Part 1

Format	Color
Hex	87B7BF
RGB	135, 183, 191
RGB Percent	53%, 72%, 75%
CMY	0.4707, 0.2823, 0.2510
CMYK	0.29, 0.04, 0.00, 0.25
HSL	189°, 30%, 64%
HSV	189°, 29%, 75%
XYZ	36.3255, 42.7795, 55.6336
YIQ	169.5600, -31.1760, -7.6880

Conversions

Conversions Part 2

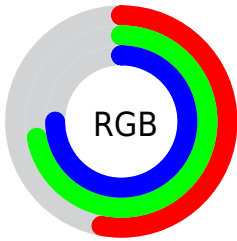
Format	Color
RYB	135, 161, 191
Decimal	8894399
CIELab	71.41, -13.90, -9.19
CIElCh	71, 16.661, 213.485
Yxy	42.7795, 0.2696, 0.3175
Android (android.graphics.Color)	4287084479 (0xFF87B7BF)
YUV	169.5600, 10.5699, -30.3091
Hunter-Lab	65.4060, -15.3244, -4.6471

Details

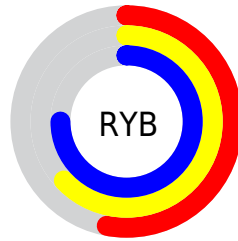
The Yxy color **42.7795, 0.2696, 0.3175** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **32.4592, 0.3738, 0.3401**, and the grayscale version is **39.9244, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.3956, 0.2778, 0.3202**, and **19.6392, 0.2571, 0.3129** is the 20% darker color. If you saturate the color by 10%, you get **40.2237, 0.2565, 0.3130**, and if you desaturate by 10%, it is **45.6447, 0.2837, 0.3217**.

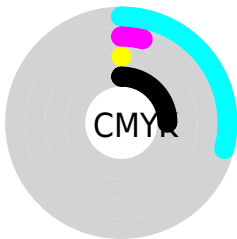
Distribution



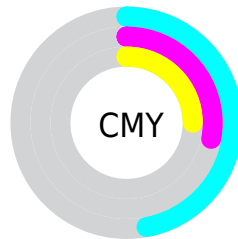
- Red (53%)
- Green (72%)
- Blue (75%)



- Red (53%)
- Yellow (63%)
- Blue (75%)



- Cyan (29%)
- Magenta (4%)
- Yellow (0%)
- Black (25%)




- Cyan (47%)
- Magenta (28%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.7795, 0.2696, 0.3175 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 42.7795, 0.2696, 0.3175 by changing the saturation by 10% instead.


 42.7795, 0.2696,
0.3175


 42.7795, 0.2696,
0.3175


357.7042, 0.2912,
0.3237


 29.7121, 0.2642,
0.3158


 79.3780, 0.2774,
0.3198

 19.6202, 0.2573,
0.3136


 103.6780, 0.2804,
0.3207

 12.1193, 0.2482,
0.3105


 132.4909, 0.2829,
0.3214

 6.8250, 0.2354,
0.3060

166.2012, 0.2850,
0.3220

 3.3529, 0.2166,
0.2986

205.1933, 0.2869,
0.3225

 1.3186, 0.1861,
0.2850

249.8516, 0.2885,

 0.1555, 0.0000,

0.3229

0.1608

300.5604, 0.2899,
0.3233

0.0000, 0.0000,
0.0000

42.7795, 0.2696,
0.3175

42.7795, 0.2696,
0.3175

40.2237, 0.2565,
0.3130

45.6447, 0.2837,
0.3217

37.9567, 0.2448,
0.3083

48.8284, 0.2985,
0.3256

35.9637, 0.2346,
0.3034

52.3454, 0.3137,
0.3292

34.2259, 0.2263,
0.2984

56.2083, 0.3291,
0.3325

32.7224, 0.2198,
0.2933

60.4288, 0.3445,
0.3354

■ 31.4282, 0.2152,
0.2883

■ 65.0183, 0.3596,
0.3379

■ 30.2985, 0.2121,
0.2834

■ 67.3011, 0.3633,
0.3406

■ 30.2256, 0.2120,
0.2830

■ 68.5917, 0.3626,
0.3434

■ 69.9050, 0.3619,
0.3462

Harmonies

Analogous

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



42.7795, 0.2822, 0.3400



42.7795, 0.2696, 0.3175



42.7795, 0.2680, 0.2994

Triad

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



42.7795, 0.2696, 0.3175



42.7795, 0.3211, 0.3007



42.7795, 0.3480, 0.3691

Complementary

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



42.7795, 0.2696, 0.3175



32.4592, 0.3738, 0.3401

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.



42.7795, 0.3594, 0.3566



42.7795, 0.2696, 0.3175



42.7795, 0.3436, 0.3176

Square

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



42.7795, 0.2696, 0.3175



42.7795, 0.2970, 0.2907



42.7795, 0.3578, 0.3377



42.7795, 0.3272, 0.3708

Rectangle

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



42.7795, 0.2696, 0.3175



42.7795, 0.2734, 0.2920



42.7795, 0.3578, 0.3377



42.7795, 0.3531, 0.3659

Sweetspot

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



42.7812, 0.2696, 0.3175



87.5652, 0.2988, 0.3257



44.3775, 0.3035, 0.4017



19.0355, 0.2966, 0.3252



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.



42.7812, 0.2696, 0.3175



73.7081, 0.2613, 0.3147



32.5251, 0.2652, 0.2765



10.5712, 0.2985, 0.3256



19.9532, 0.2121, 0.2837



0.8461, 0.2154, 0.2956

Inverse Universe

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



31.8159, 0.3240, 0.2664



51.2481, 0.3269, 0.2532



41.7465, 0.3635, 0.3764



9.6722, 0.3159, 0.3096



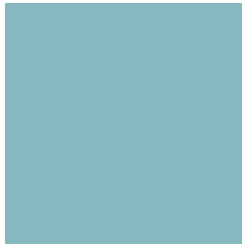
9.0440, 0.3601, 0.1757



0.3608, 0.3493, 0.1698

Previews

White Background



This preview shows how the Yxy color 42.7795, 0.2696, 0.3175 looks on a white background.

Color Contrast Check

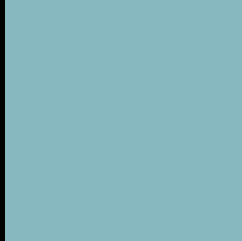
Large Text (above 18pt) WCAG AA × Fail

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 42.7795, 0.2696, 0.3175 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

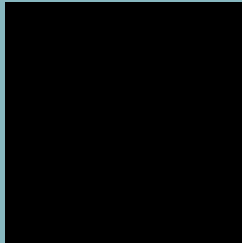
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.7795, 0.2696, 0.3175

Background



This preview shows how black text looks on a background with the Yxy color 42.7795, 0.2696, 0.3175.



This preview shows how white text looks on a background with the Yxy color 42.7795, 0.2696, 0.3175.

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

42.7795, 0.2696, 0.3175

Protanopia

42.3886, 0.3038, 0.3129

Deuteranopia

42.5896, 0.3036, 0.2979



Tritanopia

42.7214, 0.2663, 0.3078

Trichromacy



Original Color

42.7795, 0.2696, 0.3175

Protanomaly

42.5057, 0.2906, 0.3152

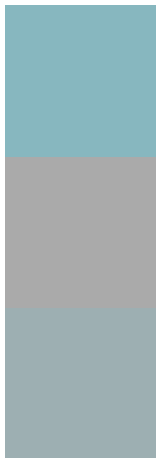
Deuteranomaly

42.5095, 0.2901, 0.3047

Tritanomaly

42.6303, 0.2676, 0.3105

Monochromacy



Original Color

42.7795, 0.2696, 0.3175

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

41.0424, 0.2949, 0.3247

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.7795, 0.2696, 0.3175 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(135, 183, 191)` looks like.

```
.text, #text, p{  
    color:rgb(135, 183, 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(135, 183, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 183, 191) }
```

Border

The CSS property to change the border of an element to Yxy 42.7795, 0.2696, 0.3175 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(135, 183, 191) }
```

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

```
.border{ border-color:rgb(135, 183, 191) }
```

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

Here you see how a box with a 4 pixel rgb(135, 183, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 183, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 183, 191);  
box-shadow:4px 4px 4px 4px rgb(135, 183,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 42.7795, 0.2696, 0.3175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 183, 191) }
```

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

```
.background{ background-color: rgb(135,  
183, 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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