

Converting Colors

$Yxy(44.6336, 0.2677, 0.3176)$

Have a look what the booklet for
Yxy(44.6336, 0.2677, 0.3176)
contains.

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Color

Yxy(44.6317, 0.2677, 0.3176)

Conversions

Conversions Part 1

Format	Color
Hex	87BBC3
RGB	135, 187, 195
RGB Percent	53%, 73%, 76%
CMY	0.4704, 0.2667, 0.2352
CMYK	0.31, 0.04, 0.00, 0.24
HSL	188°, 33%, 65%
HSV	188°, 31%, 76%
XYZ	37.6194, 44.6317, 58.2770
YIQ	172.3640, -33.5600, -8.5360

Conversions

Conversions Part 2

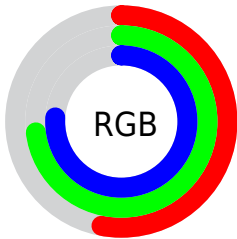
Format	Color
RYB	135, 163, 195
Decimal	8895427
CIELab	72.65, -15.00, -9.54
CIELCh	73, 17.776, 212.462
Yxy	44.6317, 0.2677, 0.3176
Android (android.graphics.Color)	4287085507 (0xFF87BBC3)
YUV	172.3640, 11.1595, -32.7682
Hunter-Lab	66.8070, -16.3979, -4.9549

Details

The Yxy color **44.6317, 0.2677, 0.3176** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **33.0238, 0.3781, 0.3400**, and the grayscale version is **41.4096, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.0766, 0.2756, 0.3192**, and **20.8123, 0.2559, 0.3152** is the 20% darker color. If you saturate the color by 10%, you get **42.0624, 0.2549, 0.3133**, and if you desaturate by 10%, it is **47.5210, 0.2816, 0.3216**.

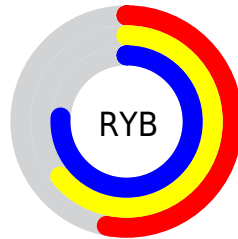
Distribution



Red (53%)

Green (73%)

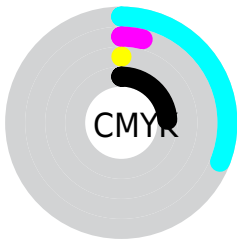
Blue (76%)



Red (53%)

Yellow (64%)

Blue (76%)

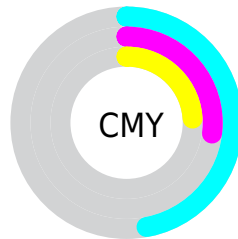


Cyan (31%)

Magenta (4%)

Yellow (0%)

Black (24%)



Cyan (47%)


Magenta (27%)


Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.6317, 0.2677, 0.3176 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 44.6317, 0.2677, 0.3176 by changing the saturation by 10% instead.


 44.6317, 0.2677,
0.3176

 44.6317, 0.2677,
0.3176


365.2799, 0.2900,
0.3237


 31.1674, 0.2622,
0.3160


 82.1675, 0.2758,
0.3199

 20.7264, 0.2551,
0.3138


 107.0077, 0.2788,
0.3208

 12.9241, 0.2458,
0.3107


 136.4088, 0.2814,
0.3215

 7.3763, 0.2330,
0.3063

170.7551, 0.2836,
0.3220

 3.6985, 0.2142,
0.2991

210.4309, 0.2855,
0.3226

 1.5064, 0.1845,
0.2862

255.8207, 0.2872,

 0.2932, 0.0000,

0.3230

0.2291

307.3089, 0.2887,
0.3234

0.0000, 0.0000,
0.0000

44.6317, 0.2677,
0.3176

44.6317, 0.2677,
0.3176

42.0624, 0.2549,
0.3133

47.5210, 0.2816,
0.3216

39.7916, 0.2434,
0.3089

50.7402, 0.2963,
0.3253

37.8031, 0.2336,
0.3043

54.3049, 0.3116,
0.3288

36.0771, 0.2257,
0.2996

58.2285, 0.3270,
0.3319

34.5908, 0.2196,
0.2949

62.5234, 0.3424,
0.3346

■ 33.3176, 0.2154,
0.2902

■ 67.2015, 0.3576,
0.3371

■ 32.2827, 0.2128,
0.2859

■ 68.9966, 0.3594,
0.3397

■ 70.2590, 0.3588,
0.3424

■ 71.5423, 0.3582,
0.3450

Harmonies

Analogous

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



44.6317, 0.2813, 0.3414



44.6317, 0.2677, 0.3176



44.6317, 0.2656, 0.2983

Triad

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



44.6317, 0.2677, 0.3176



44.6317, 0.3206, 0.2988



44.6317, 0.3504, 0.3709

Complementary

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



44.6317, 0.2677, 0.3176



33.0238, 0.3781, 0.3400

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.



44.6317, 0.3620, 0.3573



44.6317, 0.2677, 0.3176



44.6317, 0.3445, 0.3163

Square

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



44.6317, 0.2677, 0.3176



44.6317, 0.2953, 0.2886



44.6317, 0.3599, 0.3374



44.6317, 0.3288, 0.3732

Rectangle

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



44.6317, 0.2677, 0.3176



44.6317, 0.2710, 0.2904



44.6317, 0.3599, 0.3374



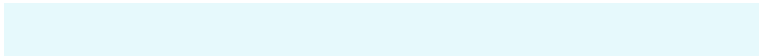
44.6317, 0.3556, 0.3674

Sweetspot

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



44.6335, 0.2677, 0.3176



91.8384, 0.2988, 0.3259



46.1810, 0.3031, 0.4059



19.9128, 0.2965, 0.3254



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



44.6335, 0.2677, 0.3176



76.7172, 0.2588, 0.3147



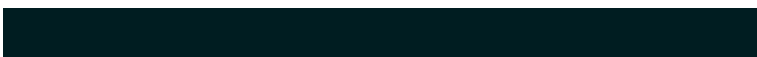
33.2220, 0.2626, 0.2734



11.1909, 0.2984, 0.3258



21.0650, 0.2129, 0.2865



0.9752, 0.2158, 0.2969

Inverse Universe

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



32.5329, 0.3242, 0.2627



51.8785, 0.3273, 0.2481



43.2557, 0.3664, 0.3789



10.2236, 0.3158, 0.3093



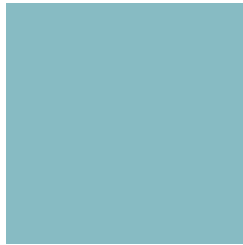
9.4088, 0.3575, 0.1743



0.4131, 0.3482, 0.1692

Previews

White Background



This preview shows how the Yxy color 44.6317, 0.2677, 0.3176 looks on a white background.

Color Contrast Check

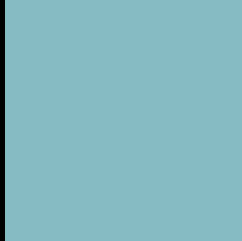
Large Text (above 18pt) WCAG AA × Fail

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 44.6317, 0.2677, 0.3176 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

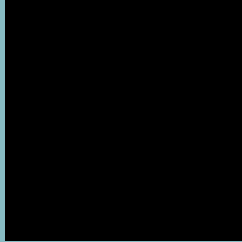
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

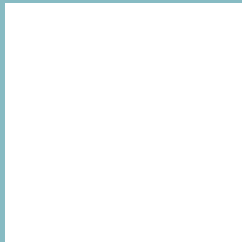
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 44.6317, 0.2677, 0.3176

Background



This preview shows how black text looks on a background with the Yxy color 44.6317, 0.2677, 0.3176.



This preview shows how white text looks on a background with the Yxy color 44.6317, 0.2677, 0.3176.

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

44.6317, 0.2677, 0.3176

Protanopia

44.5834, 0.3040, 0.3133

Deuteranopia

44.2786, 0.3029, 0.2971



Tritanopia

44.5691, 0.2644, 0.3081

Trichromacy



Original Color

44.6317, 0.2677, 0.3176

Protanomaly

44.4907, 0.2895, 0.3154

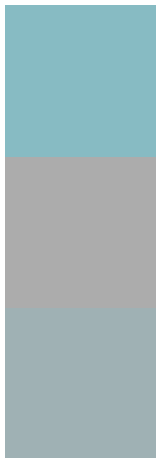
Deuteranomaly

44.0875, 0.2889, 0.3037

Tritanomaly

44.4756, 0.2657, 0.3108

Monochromacy



Original Color

44.6317, 0.2677, 0.3176

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

42.1105, 0.2951, 0.3248

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.6317, 0.2677, 0.3176 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, 187, 195)` looks like.

```
.text, #text, p{  
    color:rgb(135, 187, 195)  
}
```

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, 187, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 187, 195) }
```

Border

The CSS property to change the border of an element to Yxy 44.6317, 0.2677, 0.3176 is called "border". The border property can be set on classes, ids or directly on the HTML element.

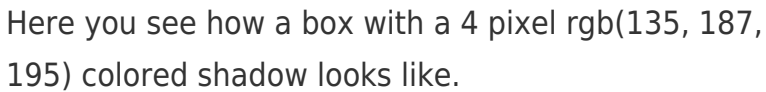
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(135, 187, 195) }
```

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

```
.border{ border-color:rgb(135, 187, 195) }
```

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



Here you see how a box with a 4 pixel `rgb(135, 187, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(135, 187, 195); -webkit-box-shadow:4px 4px 4px 4px rgb(135, 187, 195); box-shadow:4px 4px 4px 4px rgb(135, 187, 195) }
```


Background

The CSS property to change the background color of an element to Yxy 44.6317, 0.2677, 0.3176 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 187, 195) }
```

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

```
.background{ background-color: rgb(135,  
187, 195) }
```

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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