

Converting Colors

$Y_{xy}(44.2210, 0.2519, 0.3165)$

Have a look what the booklet for
Yxy(44.2210, 0.2519, 0.3165)
contains.

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Color

Yxy(44.2836, 0.2519, 0.3173)

Conversions

Conversions Part 1

Format	Color
Hex	6FBEC6
RGB	111, 190, 198
RGB Percent	44%, 75%, 78%
CMY	0.5650, 0.2549, 0.2235
CMYK	0.44, 0.04, 0.00, 0.22
HSL	186°, 43%, 61%
HSV	186°, 44%, 78%
XYZ	35.1561, 44.2836, 60.1241
YIQ	167.2910, -49.6520, -14.2600

Conversions

Conversions Part 2

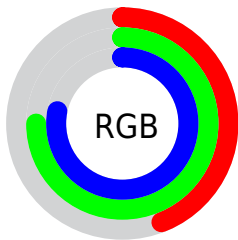
Format	Color
R _Y B	111, 152, 198
Decimal	7323334
CIE Lab	72.42, -22.20, -11.64
CIE LCh	72, 25.062, 207.668
Yxy	44.2836, 0.2519, 0.3173
Android (android.graphics.Color)	4285513414 (0xFF6FBEC6)
YUV	167.2910, 15.1395, -49.3672
Hunter-Lab	66.5459, -22.1540, -6.9862

Details

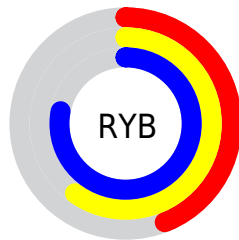
The Yxy color **44.2836, 0.2519, 0.3173** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **26.3298, 0.4228, 0.3400**, and the grayscale version is **38.7295, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.9570, 0.2626, 0.3200**, and **20.4062, 0.2353, 0.3126** is the 20% darker color. If you saturate the color by 10%, you get **42.3583, 0.2415, 0.3142**, and if you desaturate by 10%, it is **46.5067, 0.2639, 0.3203**.

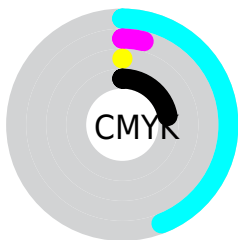
Distribution



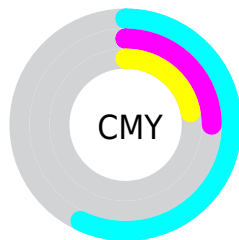
- Red (44%)
- Green (75%)
- Blue (78%)



- Red (44%)
- Yellow (60%)
- Blue (78%)



- Cyan (44%)
- Magenta (4%)
- Yellow (0%)
- Black (22%)



- Cyan (57%)
- Magenta (25%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.2836, 0.2519, 0.3173 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 44.2836, 0.2519, 0.3173 by changing the saturation by 10% instead.

■ 44.2836, 0.2519,
0.3173

■ 44.2836, 0.2519,
0.3173

■ 363.8643, 0.2819,
0.3239

■ 30.8935, 0.2445,
0.3154

■ 81.6443, 0.2627,
0.3198

■ 20.5178, 0.2352,
0.3129

■ 106.3838, 0.2668,
0.3208

■ 12.7720, 0.2230,
0.3094

■ 135.6751, 0.2703,
0.3215

■ 7.2717, 0.2062,
0.3040

■ 169.9028, 0.2733,
0.3221

■ 3.6326, 0.1822,
0.2953

■ 209.4511, 0.2759,
0.3227

■ 1.4702, 0.1451,
0.2790

■ 254.7046, 0.2781,

■ 0.2676, 0.0000,

0.3231

0.1940

306.0475, 0.2801,
0.3235

0.0000, 0.0000,
0.0000

44.2836, 0.2519,
0.3173

44.2836, 0.2519,
0.3173

42.3583, 0.2415,
0.3142

46.5067, 0.2639,
0.3203

40.7067, 0.2328,
0.3111

49.0399, 0.2772,
0.3231

39.3090, 0.2260,
0.3079

51.9008, 0.2916,
0.3257

38.1407, 0.2211,
0.3048

55.1042, 0.3066,
0.3281

37.1718, 0.2179,
0.3017

58.6641, 0.3221,
0.3303

■ 36.6506, 0.2166,
0.2998

■ 62.5935, 0.3377,
0.3323

■ 66.9049, 0.3533,
0.3341

■ 68.7880, 0.3572,
0.3359

■ 69.6603, 0.3568,
0.3377

Harmonies

Analogous

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



44.2836, 0.2727, 0.3518



44.2836, 0.2519, 0.3173



44.2836, 0.2466, 0.2888

Triad

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



44.2836, 0.2519, 0.3173



44.2836, 0.3176, 0.2841



44.2836, 0.3694, 0.3855

Complementary

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



44.2836, 0.2519, 0.3173



26.3298, 0.4228, 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.



44.2836, 0.3835, 0.3637



44.2836, 0.2519, 0.3173



44.2836, 0.3528, 0.3066

Square

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



44.2836, 0.2519, 0.3173



44.2836, 0.2829, 0.2719



44.2836, 0.3774, 0.3351



44.2836, 0.3403, 0.3929

Rectangle

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



44.2836, 0.2519, 0.3173



44.2836, 0.2521, 0.2768



44.2836, 0.3774, 0.3351



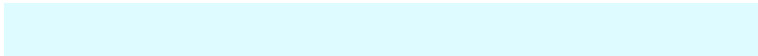
44.2836, 0.3761, 0.3795

Sweetspot

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



44.2853, 0.2519, 0.3173



92.3194, 0.2927, 0.3259



45.0791, 0.3020, 0.4534



19.5039, 0.2894, 0.3253



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.



44.2853, 0.2519, 0.3173



75.0596, 0.2416, 0.3143



28.3872, 0.2406, 0.2511



11.8946, 0.2984, 0.3268



23.8994, 0.2167, 0.3002



1.1815, 0.2185, 0.3067

Inverse Universe

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



27.0797, 0.3263, 0.2309



41.1033, 0.3299, 0.2117



38.8975, 0.3966, 0.3953



10.7992, 0.3151, 0.3083



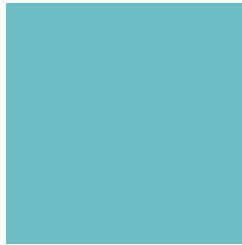
9.9526, 0.3452, 0.1675



0.4763, 0.3396, 0.1644

Previews

White Background



This preview shows how the Yxy color 44.2836, 0.2519, 0.3173 looks on a white background.

Color Contrast Check

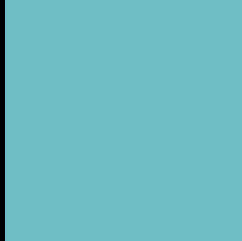
Large Text (above 18pt) WCAG AA × Fail

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 44.2836, 0.2519, 0.3173 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 44.2836, 0.2519, 0.3173

Background



This preview shows how black text looks on a background with the Yxy color 44.2836, 0.2519, 0.3173.



This preview shows how white text looks on a background with the Yxy color 44.2836, 0.2519, 0.3173.

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

44.2836, 0.2519, 0.3173

Protanopia

43.9549, 0.3023, 0.3118

Deuteranopia

43.7144, 0.2973, 0.2907



Tritanopia

44.2655, 0.2494, 0.3075

Trichromacy



Original Color

44.2836, 0.2519, 0.3173

Protanomaly

43.5289, 0.2810, 0.3138

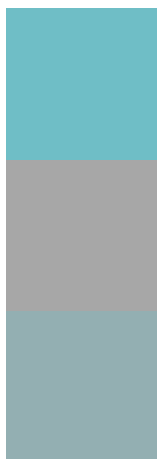
Deuteranomaly

43.5252, 0.2776, 0.2993

Tritanomaly

44.1042, 0.2500, 0.3102

Monochromacy



Original Color

44.2836, 0.2519, 0.3173

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

40.0773, 0.2867, 0.3246

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.2836, 0.2519, 0.3173 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(111, 190, 198)` looks like.

```
.text, #text, p{  
    color:rgb(111, 190, 198)  
}
```

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(111, 190, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 190, 198) }
```

Border

The CSS property to change the border of an element to Yxy 44.2836, 0.2519, 0.3173 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(111, 190, 198) }
```

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

```
.border{ border-color:rgb(111, 190, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 190, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 190, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 190, 198);  
box-shadow:4px 4px 4px 4px rgb(111, 190,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 44.2836, 0.2519, 0.3173 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 190, 198) }
```

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

```
.background{ background-color: rgb(111,  
190, 198) }
```

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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