

Converting Colors

$Y_{xy}(42.7958, 0.2523, 0.3171)$

Have a look what the booklet for
Yxy(42.7958, 0.2523, 0.3171)
contains.

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Color

Yxy(42.7958, 0.2523, 0.3171)

Conversions

Conversions Part 1

Format	Color
Hex	6EBBC3
RGB	110, 187, 195
RGB Percent	43%, 73%, 76%
CMY	0.5688, 0.2666, 0.2352
CMYK	0.44, 0.04, 0.00, 0.24
HSL	186°, 41%, 60%
HSV	186°, 44%, 76%
XYZ	34.0504, 42.7958, 58.1138
YIQ	164.8890, -48.4600, -13.8360

Conversions

Conversions Part 2

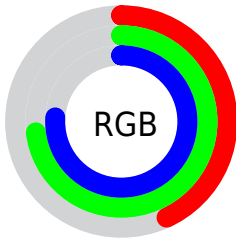
Format	Color
RYB	110, 150, 195
Decimal	7257027
CIELab	71.42, -21.68, -11.51
CIELCh	71, 24.550, 207.970
Yxy	42.7958, 0.2523, 0.3171
Android (android.graphics.Color)	4285447107 (0xFF6EBBC3)
YUV	164.8890, 14.8447, -48.1377
Hunter-Lab	65.4185, -21.5729, -6.8766

Details

The Yxy color **42.7958, 0.2523, 0.3171** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **25.6866, 0.4212, 0.3402**, and the grayscale version is **37.5137, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.2365, 0.2629, 0.3188**, and **19.7302, 0.2358, 0.3144** is the 20% darker color. If you saturate the color by 10%, you get **40.9057, 0.2418, 0.3140**, and if you desaturate by 10%, it is **44.9745, 0.2644, 0.3201**.

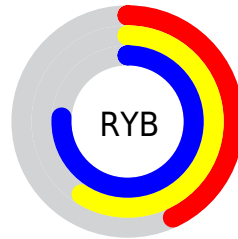
Distribution



Red (43%)

Green (73%)

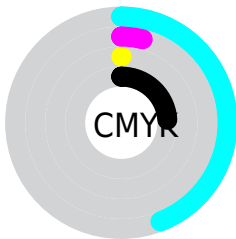
Blue (76%)



Red (43%)

Yellow (59%)

Blue (76%)

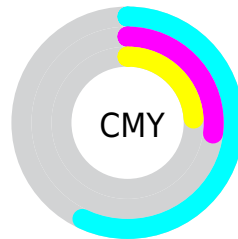


Cyan (44%)

Magenta (4%)

Yellow (0%)

Black (24%)



Cyan (57%)


Magenta (27%)


Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.7958, 0.2523, 0.3171 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 42.7958, 0.2523, 0.3171 by changing the saturation by 10% instead.


 42.7958, 0.2523,
0.3171

 42.7958, 0.2523,
0.3171


357.7713, 0.2823,
0.3238

 29.7249, 0.2449,
0.3152


 79.4026, 0.2631,
0.3197

 19.6299, 0.2355,
0.3126


 103.7074, 0.2672,
0.3206

 12.1263, 0.2230,
0.3090


 132.5255, 0.2707,
0.3214

 6.8298, 0.2060,
0.3034

166.2415, 0.2737,
0.3220

 3.3559, 0.1814,
0.2943

205.2397, 0.2763,
0.3226

 1.3202, 0.1413,
0.2775

249.9044, 0.2785,

 0.1568, 0.0000,

0.3230

0.1384

300.6202, 0.2805,
0.3234

0.0000, 0.0000,
0.0000

42.7958, 0.2523,
0.3171

42.7958, 0.2523,
0.3171

40.9057, 0.2418,
0.3140

44.9745, 0.2644,
0.3201

39.2809, 0.2330,
0.3107

47.4534, 0.2777,
0.3230

37.9026, 0.2261,
0.3075


50.2496, 0.2921,
0.3257

36.7472, 0.2210,
0.3043


53.3772, 0.3072,
0.3282

35.7861, 0.2178,
0.3010


56.8498, 0.3226,
0.3304

 35.2398, 0.2164,
0.2990

 60.6798, 0.3382,
0.3325

 64.8792, 0.3537,
0.3343

 67.3148, 0.3602,
0.3361

 68.1821, 0.3598,
0.3380

Harmonies

Analogous

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



42.7958, 0.2728, 0.3513



42.7958, 0.2523, 0.3171



42.7958, 0.2472, 0.2890

Triad

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



42.7958, 0.2523, 0.3171



42.7958, 0.3179, 0.2847



42.7958, 0.3687, 0.3852

Complementary

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



42.7958, 0.2523, 0.3171



25.6866, 0.4212, 0.3402

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.



42.7958, 0.3828, 0.3637



42.7958, 0.2523, 0.3171



42.7958, 0.3527, 0.3071

Square

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



42.7958, 0.2523, 0.3171



42.7958, 0.2835, 0.2725



42.7958, 0.3770, 0.3353



42.7958, 0.3397, 0.3923

Rectangle

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



42.7958, 0.2523, 0.3171



42.7958, 0.2528, 0.2771



42.7958, 0.3770, 0.3353



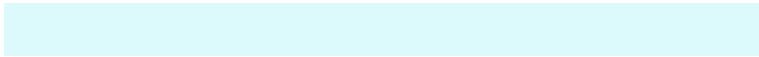
42.7958, 0.3754, 0.3793

Sweetspot

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



42.7975, 0.2523, 0.3171



90.1851, 0.2927, 0.3258



43.6430, 0.3021, 0.4521



19.4907, 0.2894, 0.3252



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.



42.7975, 0.2523, 0.3171



73.4922, 0.2426, 0.3142



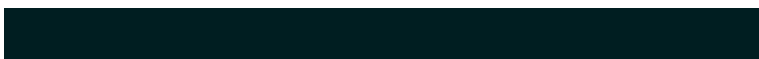
27.6309, 0.2413, 0.2519



11.2607, 0.2984, 0.3268



22.9623, 0.2165, 0.2995



1.0403, 0.2185, 0.3066

Inverse Universe

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



26.3391, 0.3264, 0.2320



40.7922, 0.3298, 0.2139



37.7304, 0.3957, 0.3947



10.2306, 0.3152, 0.3084



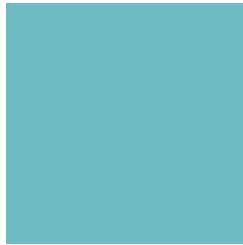
9.6003, 0.3459, 0.1679



0.4197, 0.3397, 0.1645

Previews

White Background



This preview shows how the Yxy color 42.7958, 0.2523, 0.3171 looks on a white background.

Color Contrast Check

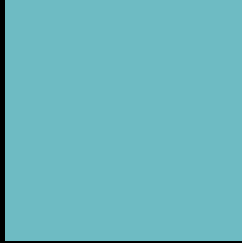
Large Text (above 18pt) WCAG AA × Fail

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 42.7958, 0.2523, 0.3171 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

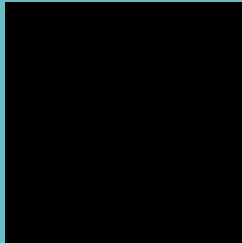
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.7958, 0.2523, 0.3171

Background



This preview shows how black text looks on a background with the Yxy color 42.7958, 0.2523, 0.3171.



This preview shows how white text looks on a background with the Yxy color 42.7958, 0.2523, 0.3171.

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

42.7958, 0.2523, 0.3171

Protanopia

42.4310, 0.3030, 0.3116

Deuteranopia

42.4567, 0.2971, 0.2914



Tritanopia

42.7796, 0.2498, 0.3072

Trichromacy



Original Color

42.7958, 0.2523, 0.3171

Protanomaly

42.0942, 0.2821, 0.3136

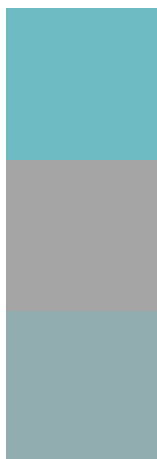
Deuteranomaly

41.9979, 0.2779, 0.2989

Tritanomaly

42.6208, 0.2504, 0.3100

Monochromacy



Original Color

42.7958, 0.2523, 0.3171

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

39.0415, 0.2864, 0.3246

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.7958, 0.2523, 0.3171 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(110, 187, 195)` looks like.

```
.text, #text, p{  
    color:rgb(110, 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(110, 187, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 187, 195) }
```

Border

The CSS property to change the border of an element to Yxy 42.7958, 0.2523, 0.3171 is called "border". The border property can be set on classes, ids or directly on the HTML element.

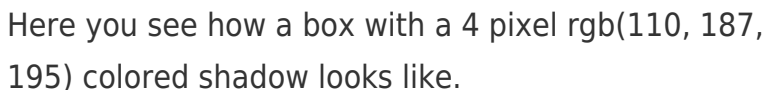
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(110, 187, 195) }
```

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

```
.border{ border-color:rgb(110, 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(110, 187, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 187, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 187, 195);  
box-shadow:4px 4px 4px 4px rgb(110, 187,  
195) }
```


Background

The CSS property to change the background color of an element to Yxy 42.7958, 0.2523, 0.3171 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 187, 195) }
```

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

```
.background{ background-color: rgb(110,  
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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