

Converting Colors

$Y_{xy}(42.8570, 0.2476, 0.3030)$

Have a look what the booklet for
Yxy(42.8570, 0.2476, 0.3030)
contains.

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Color

Yxy(42.8570, 0.2476, 0.3030)

Conversions

Conversions Part 1

Format	Color
Hex	6FBACC
RGB	111, 186, 204
RGB Percent	44%, 73%, 80%
CMY	0.5644, 0.2706, 0.1999
CMYK	0.46, 0.09, 0.00, 0.20
HSL	192°, 48%, 62%
HSV	192°, 46%, 80%
XYZ	35.0211, 42.8570, 63.5641
YIQ	165.6270, -50.4780, -10.3020

Conversions

Conversions Part 2

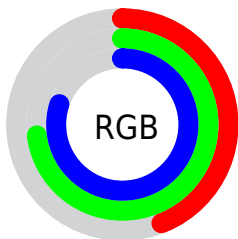
Format	Color
RYB	111, 153, 204
Decimal	7322316
CIELab	71.46, -18.52, -16.36
CIELCh	71, 24.713, 221.464
Yxy	42.8570, 0.2476, 0.3030
Android (android.graphics.Color)	4285512396 (0xFF6FBACC)
YUV	165.6270, 18.9179, -47.9079
Hunter-Lab	65.4653, -19.0744, -11.7425

Details

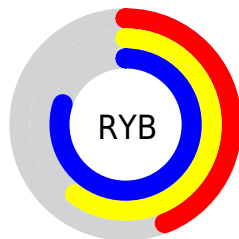
The Yxy color **42.8570, 0.2476, 0.3030** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **29.7145, 0.4229, 0.3526**, and the grayscale version is **37.8775, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.9398, 0.2618, 0.3144**, and **19.7613, 0.2300, 0.2948** is the 20% darker color. If you saturate the color by 10%, you get **40.0379, 0.2362, 0.2963**, and if you desaturate by 10%, it is **46.0279, 0.2604, 0.3094**.

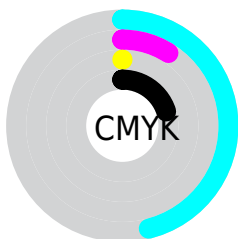
Distribution



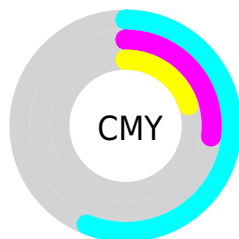
- Red (44%)
- Green (73%)
- Blue (80%)



- Red (44%)
- Yellow (60%)
- Blue (80%)



- Cyan (46%)
- Magenta (9%)
- Yellow (0%)
- Black (20%)



- Cyan (56%)
- Magenta (27%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.8570, 0.2476, 0.3030 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 42.8570, 0.2476, 0.3030 by changing the saturation by 10% instead.

 42.8570, 0.2476,
0.3030


 42.8570, 0.2476,
0.3030


358.0234, 0.2798,
0.3168

 29.7729, 0.2397,
0.2993


 79.4950, 0.2592,
0.3082

 19.6663, 0.2297,
0.2944


 103.8178, 0.2636,
0.3101

 12.1527, 0.2166,
0.2878


 132.6555, 0.2673,
0.3117

 6.8478, 0.1988,
0.2781

166.3927, 0.2705,
0.3130

 3.3671, 0.1734,
0.2629

205.4137, 0.2733,
0.3142

 1.3262, 0.1346,
0.2369

250.1028, 0.2757,

 0.1614, 0.0000,

0.3152

0.1057

300.8446, 0.2779,
0.3161

0.0000, 0.0000,
0.0000

42.8570, 0.2476,
0.3030

42.8570, 0.2476,
0.3030

40.0379, 0.2362,
0.2963

46.0279, 0.2604,
0.3094

37.5443, 0.2264,
0.2893

49.5648, 0.2743,
0.3155

35.3541, 0.2185,
0.2823

53.4871, 0.2890,
0.3211

33.4397, 0.2126,
0.2752

57.8112, 0.3042,
0.3263

31.7671, 0.2085,
0.2682

62.5526, 0.3195,
0.3310

■ 31.0733, 0.2070,
0.2652

■ 67.7257, 0.3348,
0.3353

■ 73.3445, 0.3499,
0.3390

■ 75.5797, 0.3500,
0.3430

■ 77.6521, 0.3492,
0.3469

Harmonies

Analogous

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



42.8570, 0.2616, 0.3358



42.8570, 0.2476, 0.3030



42.8570, 0.2498, 0.2800

Triad

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



42.8570, 0.2476, 0.3030



42.8570, 0.3343, 0.2935



42.8570, 0.3573, 0.3910

Complementary

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



42.8570, 0.2476, 0.3030



29.7145, 0.4229, 0.3526

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.



42.8570, 0.3791, 0.3749



42.8570, 0.2476, 0.3030



42.8570, 0.3659, 0.3193

Square

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



42.8570, 0.2476, 0.3030



42.8570, 0.2982, 0.2762



42.8570, 0.3826, 0.3486



42.8570, 0.3241, 0.3896

Rectangle

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



42.8570, 0.2476, 0.3030



42.8570, 0.2602, 0.2724



42.8570, 0.3826, 0.3486



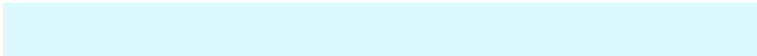
42.8570, 0.3662, 0.3873

Sweetspot

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



42.8586, 0.2476, 0.3030



89.5084, 0.2911, 0.3219



48.1398, 0.2962, 0.4446



18.8384, 0.2878, 0.3207



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.



42.8586, 0.2476, 0.3030



66.2247, 0.2360, 0.2962



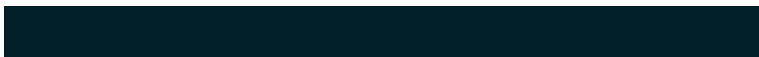
26.6475, 0.2352, 0.2329



12.3429, 0.2983, 0.3244



19.6850, 0.2073, 0.2661



1.1128, 0.2110, 0.2797

Inverse Universe

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



27.7683, 0.3374, 0.2374



39.0549, 0.3446, 0.2195



44.4874, 0.3951, 0.4085



11.3650, 0.3167, 0.3105



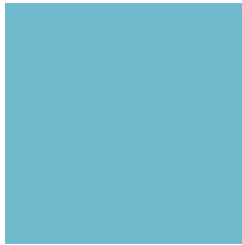
9.7902, 0.3765, 0.1848



0.5149, 0.3637, 0.1777

Previews

White Background



This preview shows how the Yxy color 42.8570, 0.2476, 0.3030 looks on a white background.

Color Contrast Check

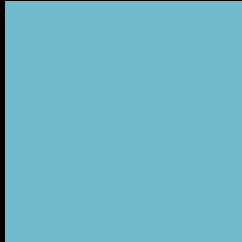
Large Text (above 18pt) WCAG AA × Fail

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 42.8570, 0.2476, 0.3030 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

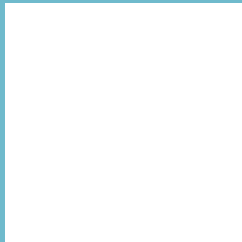
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.8570, 0.2476, 0.3030

Background



This preview shows how black text looks on a background with the Yxy color 42.8570, 0.2476, 0.3030.



This preview shows how white text looks on a background with the Yxy color 42.8570, 0.2476, 0.3030.

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

42.8570, 0.2476, 0.3030

Protanopia

42.4852, 0.2935, 0.2998

Deuteranopia

42.3684, 0.2876, 0.2813



Tritanopia

42.6499, 0.2487, 0.3072

Trichromacy



Original Color

42.8570, 0.2476, 0.3030

Protanomaly

42.3076, 0.2743, 0.3014

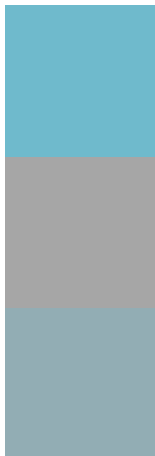
Deuteranomaly

42.1823, 0.2709, 0.2884

Tritanomaly

42.6971, 0.2481, 0.3058

Monochromacy



Original Color

42.8570, 0.2476, 0.3030

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

39.2934, 0.2843, 0.3188

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.8570, 0.2476, 0.3030 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, 186, 204)` looks like.

```
.text, #text, p{  
    color:rgb(111, 186, 204)  
}
```

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, 186, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 186, 204) }
```

Border

The CSS property to change the border of an element to Yxy 42.8570, 0.2476, 0.3030 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, 186, 204) }
```

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

```
.border{ border-color:rgb(111, 186, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 186, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 186, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 186, 204);  
box-shadow:4px 4px 4px 4px rgb(111, 186,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 42.8570, 0.2476, 0.3030 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 186, 204) }
```

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

```
.background{ background-color: rgb(111,  
186, 204) }
```

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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