

Converting Colors

$Yxy(40.0116, 0.2492, 0.3064)$

Have a look what the booklet for
Yxy(40.0116, 0.2492, 0.3064)
contains.

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Color

Yxy(40.2214, 0.2491, 0.3067)

Conversions

Conversions Part 1

Format	Color
Hex	6CB5C4
RGB	108, 181, 196
RGB Percent	42%, 71%, 77%
CMY	0.5766, 0.2902, 0.2315
CMYK	0.45, 0.08, 0.00, 0.23
HSL	190°, 43%, 60%
HSV	190°, 45%, 77%
XYZ	32.6676, 40.2214, 58.2535
YIQ	160.8830, -48.3230, -10.8110

Conversions

Conversions Part 2

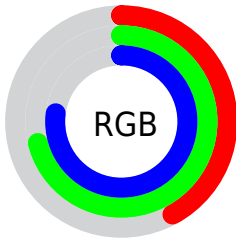
Format	Color
RYB	108, 148, 196
Decimal	7124420
CIELab	69.63, -18.84, -14.73
CIELCh	70, 23.917, 218.013
Yxy	40.2214, 0.2491, 0.3067
Android (android.graphics.Color)	4285314500 (0xFF6CB5C4)
YUV	160.8830, 17.3127, -46.3784
Hunter-Lab	63.4203, -19.0409, -10.0654

Details

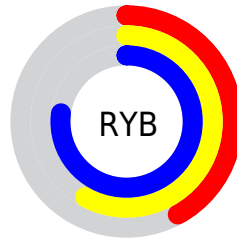
The Yxy color **40.2214, 0.2491, 0.3067** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **26.9679, 0.4216, 0.3494**, and the grayscale version is **35.5162, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.5527, 0.2605, 0.3109**, and **18.0951, 0.2312, 0.2995** is the 20% darker color. If you saturate the color by 10%, you get **37.7898, 0.2379, 0.3009**, and if you desaturate by 10%, it is **42.9647, 0.2617, 0.3123**.

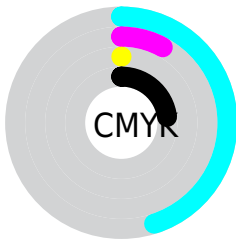
Distribution



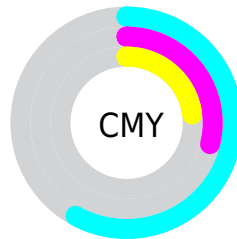
- Red (42%)
- Green (71%)
- Blue (77%)



- Red (42%)
- Yellow (58%)
- Blue (77%)



- Cyan (45%)
- Magenta (8%)
- Yellow (0%)
- Black (23%)





- Cyan (58%)
- Magenta (29%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.2214, 0.2491, 0.3067 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 40.2214, 0.2491, 0.3067 by changing the saturation by 10% instead.


 40.2214, 0.2491,
0.3067


 40.2214, 0.2491,
0.3067


347.0559, 0.2809,
0.3188


 27.7112, 0.2412,
0.3034


 75.5005, 0.2607,
0.3113


 18.1081, 0.2311,
0.2990


 99.0383, 0.2650,
0.3130

 11.0276, 0.2177,
0.2928


 127.0206, 0.2687,
0.3144

 6.0854, 0.1993,
0.2837

 159.8320, 0.2718,
0.3155

 2.8971, 0.1727,
0.2691

197.8569, 0.2746,
0.3165

 1.0782, 0.1253,
0.2443

241.4795, 0.2769,

 0.0000, 0.0000,

0.3174

0.0000

291.0844, 0.2791,
0.3181

■ 40.2214, 0.2491,
0.3067

■ 40.2214, 0.2491,
0.3067

■ 37.7898, 0.2379,
0.3009

■ 42.9647, 0.2617,
0.3123

■ 35.6463, 0.2283,
0.2949

■ 46.0323, 0.2755,
0.3175

■ 33.7711, 0.2206,
0.2888

■ 49.4415, 0.2901,
0.3224

■ 32.1396, 0.2148,
0.2827

■ 53.2071, 0.3052,
0.3269

■ 30.7221, 0.2109,
0.2766

■ 57.3430, 0.3205,
0.3310

■ 30.0520, 0.2093,
0.2736

■ 61.8621, 0.3359,
0.3347

■ 66.7768, 0.3510,
0.3380

■ 70.2004, 0.3581,
0.3412

■ 71.8399, 0.3573,
0.3446

Harmonies

Analogous

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



40.2214, 0.2647, 0.3398



40.2214, 0.2491, 0.3067



40.2214, 0.2494, 0.2825

Triad

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



40.2214, 0.2491, 0.3067



40.2214, 0.3300, 0.2914



40.2214, 0.3600, 0.3892

Complementary

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



40.2214, 0.2491, 0.3067



26.9679, 0.4216, 0.3494

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.



40.2214, 0.3798, 0.3718



40.2214, 0.2491, 0.3067



40.2214, 0.3622, 0.3162

Square

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



40.2214, 0.2491, 0.3067



40.2214, 0.2944, 0.2755



40.2214, 0.3808, 0.3451



40.2214, 0.3281, 0.3900

Rectangle

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



40.2214, 0.2491, 0.3067



40.2214, 0.2585, 0.2738



40.2214, 0.3808, 0.3451



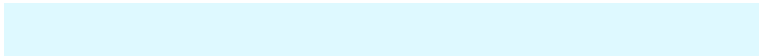
40.2214, 0.3683, 0.3849

Sweetspot

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



40.2230, 0.2491, 0.3067



90.7006, 0.2926, 0.3232



44.0785, 0.2973, 0.4447



19.1001, 0.2893, 0.3222



0.0000, 0.0000, 0.0000



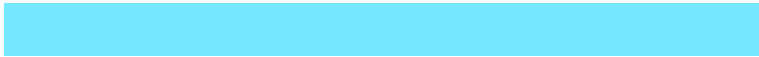
21.4041, 0.3127, 0.3290

Same Dimension

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



40.2230, 0.2491, 0.3067



68.4976, 0.2379, 0.3009



25.1511, 0.2370, 0.2372



11.1274, 0.2984, 0.3250



19.4243, 0.2096, 0.2744



0.9181, 0.2133, 0.2878

Inverse Universe

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



25.7898, 0.3344, 0.2365



39.8547, 0.3406, 0.2185



40.3229, 0.3944, 0.4055



10.2172, 0.3163, 0.3101



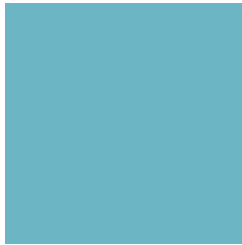
9.2431, 0.3687, 0.1805



0.4073, 0.3563, 0.1736

Previews

White Background



This preview shows how the Yxy color 40.2214, 0.2491, 0.3067 looks on a white background.

Color Contrast Check

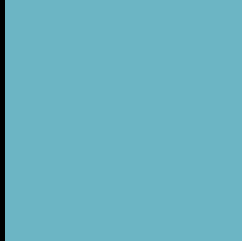
Large Text (above 18pt) WCAG AA × Fail

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 40.2214, 0.2491, 0.3067 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

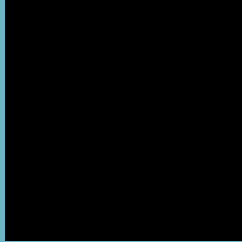
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.2214, 0.2491, 0.3067

Background



This preview shows how black text looks on a background with the Yxy color 40.2214, 0.2491, 0.3067.



This preview shows how white text looks on a background with the Yxy color 40.2214, 0.2491, 0.3067.

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

40.2214, 0.2491, 0.3067

Protanopia

39.8516, 0.2954, 0.3017

Deuteranopia

39.6917, 0.2901, 0.2839



Tritanopia

40.2214, 0.2491, 0.3067

Trichromacy



Original Color

40.2214, 0.2491, 0.3067

Protanomaly

39.7597, 0.2763, 0.3035

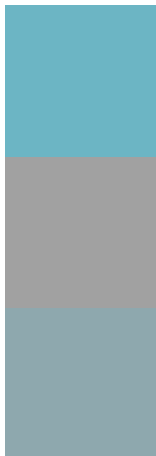
Deuteranomaly

39.4989, 0.2727, 0.2914

Tritanomaly

40.2214, 0.2491, 0.3067

Monochromacy



Original Color

40.2214, 0.2491, 0.3067

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

36.8120, 0.2851, 0.3200

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.2214, 0.2491, 0.3067 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(108, 181, 196)` looks like.

```
.text, #text, p{  
    color:rgb(108, 181, 196)  
}
```

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(108, 181, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 181, 196) }
```

Border

The CSS property to change the border of an element to Yxy 40.2214, 0.2491, 0.3067 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(108, 181, 196) }
```

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

```
.border{ border-color:rgb(108, 181, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 181, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 181, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 181, 196);  
box-shadow:4px 4px 4px 4px rgb(108, 181,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 40.2214, 0.2491, 0.3067 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 181, 196) }
```

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

```
.background{ background-color: rgb(108,  
181, 196) }
```

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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