

Converting Colors

$Y_{xy}(42.0696, 0.2419, 0.2977)$

Have a look what the booklet for
Yxy(42.0696, 0.2419, 0.2977)
contains.

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Color

Yxy(42.0865, 0.2415, 0.2971)

Conversions

Conversions Part 1

Format	Color
Hex	67B9CF
RGB	103, 185, 207
RGB Percent	40%, 73%, 81%
CMY	0.5959, 0.2745, 0.1882
CMYK	0.50, 0.11, 0.00, 0.19
HSL	193°, 52%, 61%
HSV	193°, 50%, 81%
XYZ	34.2103, 42.0865, 65.3609
YIQ	162.9900, -55.9340, -10.5420

Conversions

Conversions Part 2

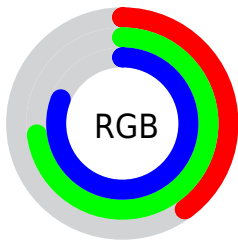
Format	Color
RYB	103, 149, 207
Decimal	6797775
CIELab	70.93, -19.03, -18.83
CIELCh	71, 26.776, 224.696
Yxy	42.0865, 0.2415, 0.2971
Android (android.graphics.Color)	4284987855 (0xFF67B9CF)
YUV	162.9900, 21.6969, -52.6112
Hunter-Lab	64.8741, -19.4005, -14.3230

Details

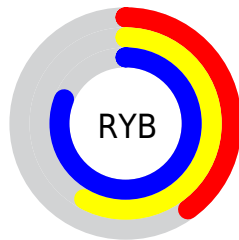
The Yxy color **42.0865, 0.2415, 0.2971** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **28.9334, 0.4385, 0.3571**, and the grayscale version is **36.5429, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.6042, 0.2583, 0.3131**, and **19.2739, 0.2218, 0.2866** is the 20% darker color. If you saturate the color by 10%, you get **39.2047, 0.2306, 0.2896**, and if you desaturate by 10%, it is **45.3312, 0.2539, 0.3043**.

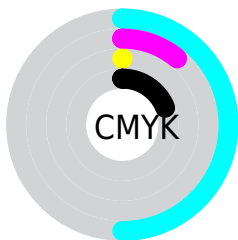
Distribution



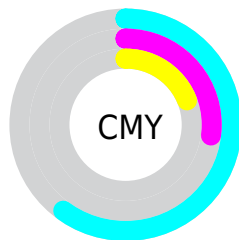
- Red (40%)
- Green (73%)
- Blue (81%)



- Red (40%)
- Yellow (58%)
- Blue (81%)



- Cyan (50%)
- Magenta (11%)
- Yellow (0%)
- Black (19%)




- Cyan (60%)
- Magenta (27%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.0865, 0.2415, 0.2971 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 42.0865, 0.2415, 0.2971 by changing the saturation by 10% instead.

 42.0865, 0.2415,
0.2971


 42.0865, 0.2415,
0.2971


354.8414, 0.2767,
0.3140


 29.1690, 0.2329,
0.2926


 78.3305, 0.2542,
0.3035


 19.2087, 0.2220,
0.2867


 102.4259, 0.2589,
0.3058

 11.8212, 0.2078,
0.2786


 131.0160, 0.2630,
0.3077

 6.6220, 0.1886,
0.2669

 164.4852, 0.2665,
0.3094

 3.2269, 0.1615,
0.2489

203.2179, 0.2696,
0.3108

 1.2513, 0.1198,
0.2187

247.5986, 0.2722,

 0.1030, 0.0000,

0.3120

0.0640

298.0117, 0.2746,
0.3131

■ 0.0000, 0.0000,
0.0000

■ 42.0865, 0.2415,
0.2971

■ 42.0865, 0.2415,
0.2971

■ 39.2047, 0.2306,
0.2896

■ 45.3312, 0.2539,
0.3043

■ 36.6576, 0.2214,
0.2819

■ 48.9548, 0.2675,
0.3112

■ 34.4204, 0.2142,
0.2741

■ 52.9782, 0.2820,
0.3176

■ 32.4618, 0.2089,
0.2663

■ 57.4190, 0.2971,
0.3235

■ 30.7597, 0.2052,
0.2588

■ 62.2939, 0.3124,
0.3289

■ 67.6185, 0.3277,
0.3337

■ 73.4074, 0.3428,
0.3381

■ 76.9904, 0.3474,
0.3423

■ 79.3234, 0.3465,
0.3467

Harmonies

Analogous

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



42.0865, 0.2547, 0.3322



42.0865, 0.2415, 0.2971



42.0865, 0.2458, 0.2738

Triad

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



42.0865, 0.2415, 0.2971



42.0865, 0.3403, 0.2932



42.0865, 0.3576, 0.3975

Complementary

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



42.0865, 0.2415, 0.2971



28.9334, 0.4385, 0.3571

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.



42.0865, 0.3833, 0.3813



42.0865, 0.2415, 0.2971



42.0865, 0.3736, 0.3217

Square

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



42.0865, 0.2415, 0.2971



42.0865, 0.3009, 0.2732



42.0865, 0.3896, 0.3533



42.0865, 0.3207, 0.3939

Rectangle

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



42.0865, 0.2415, 0.2971



42.0865, 0.2581, 0.2669



42.0865, 0.3896, 0.3533



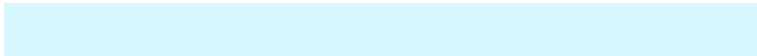
42.0865, 0.3679, 0.3939

Sweetspot

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



42.0881, 0.2415, 0.2971



88.3928, 0.2895, 0.3206



48.9709, 0.2939, 0.4563



18.5980, 0.2863, 0.3194



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.



42.0881, 0.2415, 0.2971



62.6031, 0.2301, 0.2892



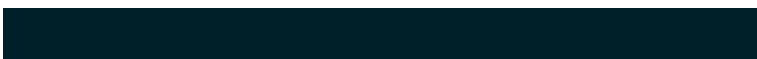
24.5092, 0.2262, 0.2181



12.9642, 0.2983, 0.3240



19.5184, 0.2055, 0.2599



1.2003, 0.2095, 0.2740

Inverse Universe

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



26.4809, 0.3429, 0.2307



36.0685, 0.3513, 0.2138



45.2304, 0.4037, 0.4181



11.9644, 0.3170, 0.3109



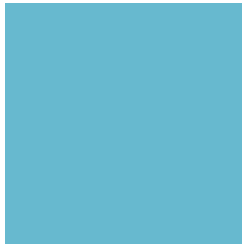
10.0417, 0.3825, 0.1881



0.5725, 0.3691, 0.1807

Previews

White Background



This preview shows how the Yxy color 42.0865, 0.2415, 0.2971 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 42.0865, 0.2415, 0.2971 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

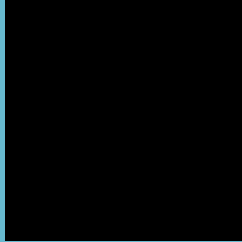
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

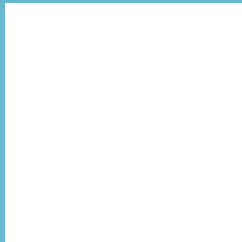
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.0865, 0.2415, 0.2971

Background



This preview shows how black text looks on a background with the Yxy color 42.0865, 0.2415, 0.2971.



This preview shows how white text looks on a background with the Yxy color 42.0865, 0.2415, 0.2971.

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

42.0865, 0.2415, 0.2971

Protanopia

41.5279, 0.2886, 0.2930

Deuteranopia

41.6870, 0.2821, 0.2759



Tritanopia

42.1016, 0.2440, 0.3069

Trichromacy



Original Color

42.0865, 0.2415, 0.2971

Protanomaly

41.1970, 0.2684, 0.2943

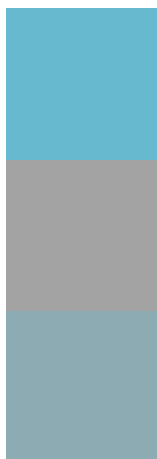
Deuteranomaly

41.3744, 0.2644, 0.2827

Tritanomaly

42.2544, 0.2434, 0.3041

Monochromacy



Original Color

42.0865, 0.2415, 0.2971

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

38.0432, 0.2808, 0.3172

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.0865, 0.2415, 0.2971 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(103, 185, 207)` looks like.

```
.text, #text, p{  
    color:rgb(103, 185, 207)  
}
```

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(103, 185, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 185, 207) }
```

Border

The CSS property to change the border of an element to Yxy 42.0865, 0.2415, 0.2971 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(103, 185, 207) }
```

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

```
.border{ border-color:rgb(103, 185, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 185, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 185, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 185, 207);  
box-shadow:4px 4px 4px 4px rgb(103, 185,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 42.0865, 0.2415, 0.2971 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 185, 207) }
```

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

```
.background{ background-color: rgb(103,  
185, 207) }
```

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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