

Converting Colors

$Y_{xy}(43.1320, 0.2414, 0.3029)$

Have a look what the booklet for
Yxy(43.1320, 0.2414, 0.3029)
contains.

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Color

Yxy(43.1320, 0.2414, 0.3029)

Conversions

Conversions Part 1

Format	Color
Hex	64BCCE
RGB	100, 188, 206
RGB Percent	39%, 74%, 81%
CMY	0.6079, 0.2627, 0.1922
CMYK	0.51, 0.09, 0.00, 0.19
HSL	190°, 52%, 60%
HSV	190°, 51%, 81%
XYZ	34.3746, 43.1320, 64.8902
YIQ	163.7400, -58.2260, -13.0580

Conversions

Conversions Part 2

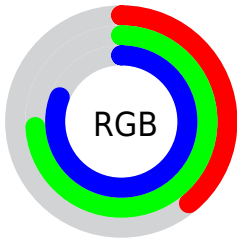
Format	Color
RYB	100, 148, 206
Decimal	6601934
CIELab	71.64, -21.54, -17.20
CIELCh	72, 27.565, 218.598
Yxy	43.1320, 0.2414, 0.3029
Android (android.graphics.Color)	4284792014 (0xFF64BCCE)
YUV	163.7400, 20.8342, -55.9000
Hunter-Lab	65.6750, -21.5034, -12.6091

Details

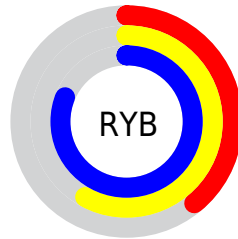
The Yxy color **43.1320, 0.2414, 0.3029** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **26.9816, 0.4464, 0.3520**, and the grayscale version is **36.9120, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.1905, 0.2578, 0.3165**, and **19.9700, 0.2221, 0.2946** is the 20% darker color. If you saturate the color by 10%, you get **40.6304, 0.2313, 0.2970**, and if you desaturate by 10%, it is **45.9698, 0.2532, 0.3087**.

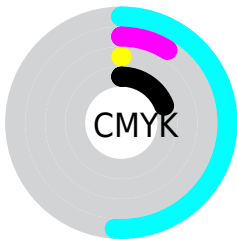
Distribution



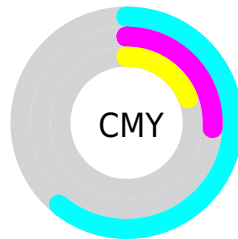
- Red (39%)
- Green (74%)
- Blue (81%)



- Red (39%)
- Yellow (58%)
- Blue (81%)



- Cyan (51%)
- Magenta (9%)
- Yellow (0%)
- Black (19%)





- Cyan (61%)
- Magenta (26%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.1320, 0.2414, 0.3029 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 43.1320, 0.2414, 0.3029 by changing the saturation by 10% instead.

 43.1320, 0.2414,
0.3029


 43.1320, 0.2414,
0.3029


359.1543, 0.2765,
0.3169

 29.9887, 0.2329,
0.2991


 79.9100, 0.2540,
0.3082


 19.8300, 0.2221,
0.2941


 104.3135, 0.2588,
0.3101

 12.2715, 0.2080,
0.2872


 133.2392, 0.2629,
0.3118

 6.9289, 0.1890,
0.2772

 167.0715, 0.2663,
0.3131

 3.4177, 0.1621,
0.2615

206.1947, 0.2694,
0.3143

 1.3535, 0.1213,
0.2347

250.9934, 0.2721,

 0.1821, 0.0000,

0.3153

0.1102

301.8518, 0.2744,
0.3162

■ 0.0000, 0.0000,
0.0000

■ 43.1320, 0.2414,
0.3029

■ 43.1320, 0.2414,
0.3029

■ 40.6304, 0.2313,
0.2970

■ 45.9698, 0.2532,
0.3087

■ 38.4370, 0.2229,
0.2909

■ 49.1596, 0.2662,
0.3141

■ 36.5271, 0.2165,
0.2848

■ 52.7219, 0.2804,
0.3193

■ 34.8691, 0.2120,
0.2787

■ 56.6741, 0.2952,
0.3240

■ 33.6050, 0.2093,
0.2736

■ 61.0325, 0.3105,
0.3284

65.8125, 0.3259,
0.3323

71.0283, 0.3412,
0.3359

74.7959, 0.3489,
0.3392

76.6032, 0.3482,
0.3428

Harmonies

Analogous

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



43.1320, 0.2583, 0.3402



43.1320, 0.2414, 0.3029



43.1320, 0.2422, 0.2763

Triad

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



43.1320, 0.2414, 0.3029



43.1320, 0.3328, 0.2875



43.1320, 0.3651, 0.3969

Complementary

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



43.1320, 0.2414, 0.3029



26.9816, 0.4464, 0.3520

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.



43.1320, 0.3879, 0.3772



43.1320, 0.2414, 0.3029



43.1320, 0.3691, 0.3151

Square

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



43.1320, 0.2414, 0.3029



43.1320, 0.2928, 0.2695



43.1320, 0.3897, 0.3472



43.1320, 0.3289, 0.3980

Rectangle

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



43.1320, 0.2414, 0.3029



43.1320, 0.2524, 0.2670



43.1320, 0.3897, 0.3472



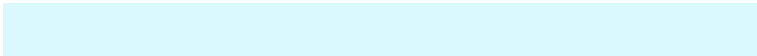
43.1320, 0.3746, 0.3920

Sweetspot

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



43.1336, 0.2414, 0.3029



89.3864, 0.2896, 0.3223



48.1388, 0.2956, 0.4655



18.8392, 0.2864, 0.3213



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.



43.1336, 0.2414, 0.3029



65.3541, 0.2301, 0.2962



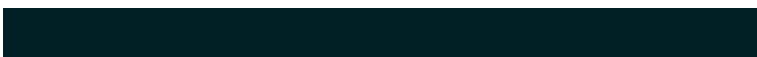
24.5776, 0.2251, 0.2205



12.3908, 0.2983, 0.3250



20.8223, 0.2096, 0.2745



1.1621, 0.2128, 0.2862

Inverse Universe

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



25.8596, 0.3385, 0.2240



35.4036, 0.3458, 0.2056



43.0292, 0.4085, 0.4161



11.3698, 0.3163, 0.3100



9.9050, 0.3686, 0.1804



0.5199, 0.3578, 0.1744

Previews

White Background



This preview shows how the Yxy color 43.1320, 0.2414, 0.3029 looks on a white background.

Color Contrast Check

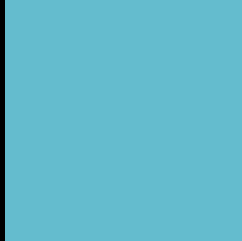
Large Text (above 18pt) WCAG AA × Fail

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 43.1320, 0.2414, 0.3029 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 43.1320, 0.2414, 0.3029

Background



This preview shows how black text looks on a background with the Yxy color 43.1320, 0.2414, 0.3029.



This preview shows how white text looks on a background with the Yxy color 43.1320, 0.2414, 0.3029.

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

43.1320, 0.2414, 0.3029

Protanopia

42.5306, 0.2927, 0.2985

Deuteranopia

42.7776, 0.2846, 0.2789



Tritanopia

42.9787, 0.2420, 0.3056

Trichromacy



Original Color

43.1320, 0.2414, 0.3029

Protanomaly

42.0307, 0.2700, 0.2985

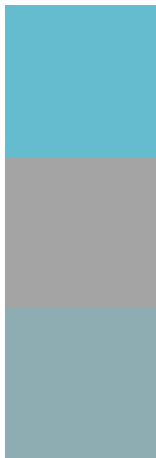
Deuteranomaly

42.2508, 0.2654, 0.2856

Tritanomaly

43.0269, 0.2414, 0.3042

Monochromacy



Original Color

43.1320, 0.2414, 0.3029

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

38.8045, 0.2810, 0.3201

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.1320, 0.2414, 0.3029 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(100, 188, 206)` looks like.

```
.text, #text, p{  
    color:rgb(100, 188, 206)  
}
```

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(100, 188, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 188, 206) }
```

Border

The CSS property to change the border of an element to Yxy 43.1320, 0.2414, 0.3029 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(100, 188, 206) }
```

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

```
.border{ border-color:rgb(100, 188, 206) }
```

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

Here you see how a box with a 4 pixel rgb(100, 188, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 188, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 188, 206);  
box-shadow:4px 4px 4px 4px rgb(100, 188,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 43.1320, 0.2414, 0.3029 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 188, 206) }
```

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

```
.background{ background-color: rgb(100,  
188, 206) }
```

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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