

Converting Colors

$Yxy(42.2380, 0.2223, 0.3047)$

Have a look what the booklet for
Yxy(42.2380, 0.2223, 0.3047)
contains.

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Color

Yxy(42.2380, 0.2223, 0.3047)

Conversions

Conversions Part 1

Format	Color
Hex	29BFCF
RGB	41, 191, 207
RGB Percent	16%, 75%, 81%
CMY	0.8383, 0.2510, 0.1882
CMYK	0.80, 0.08, 0.00, 0.19
HSL	186°, 67%, 49%
HSV	186°, 80%, 81%
XYZ	30.8156, 42.2380, 65.5680
YIQ	147.9740, -94.5360, -26.8240

Conversions

Conversions Part 2

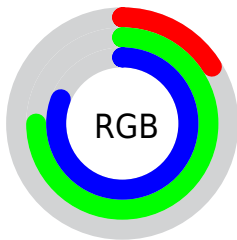
Format	Color
RYB	41, 120, 207
Decimal	2736079
CIELab	71.03, -31.66, -18.83
CIELCh	71, 36.837, 210.745
Yxy	42.2380, 0.2223, 0.3047
Android (android.graphics.Color)	4280926159 (0xFF29BFCE)
YUV	147.9740, 29.0998, -93.8162
Hunter-Lab	64.9908, -29.0975, -14.3231

Details

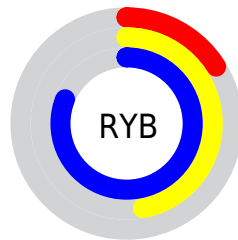
The Yxy color **42.2380, 0.2223, 0.3047** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle muted azure. A complement of this color would be **16.3813, 0.5775, 0.3425**, and the grayscale version is **29.5382, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.0678, 0.2416, 0.3207**, and **20.1912, 0.2156, 0.2963** is the 20% darker color. If you saturate the color by 10%, you get **41.0509, 0.2185, 0.3014**, and if you desaturate by 10%, it is **43.6641, 0.2280, 0.3080**.

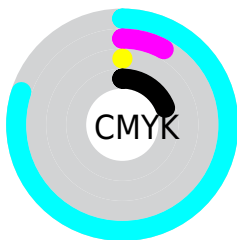
Distribution



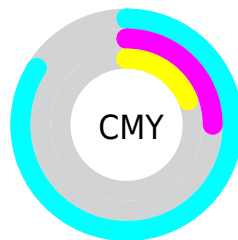
- Red (16%)
- Green (75%)
- Blue (81%)



- Red (16%)
- Yellow (47%)
- Blue (81%)



- Cyan (80%)
- Magenta (8%)
- Yellow (0%)
- Black (19%)




- Cyan (84%)
- Magenta (25%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.2380, 0.2223, 0.3047 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 42.2380, 0.2223, 0.3047 by changing the saturation by 10% instead.


 42.2380, 0.2223,
0.3047


 42.2380, 0.2223,
0.3047


355.4686, 0.2666,
0.3185


 29.2877, 0.2117,
0.3008


 78.5597, 0.2381,
0.3101


 19.2986, 0.1983,
0.2956


 102.6999, 0.2441,
0.3120

 11.8862, 0.1811,
0.2882


 131.3388, 0.2492,
0.3135

 6.6662, 0.1583,
0.2771

 164.8609, 0.2537,
0.3148

 3.2543, 0.1271,
0.2595

 203.6505, 0.2575,
0.3160

 1.2659, 0.0710,
0.2315

248.0921, 0.2609,

 0.1145, 0.0000,

0.3169

0.0699

298.5700, 0.2639,
0.3177

■ 0.0000, 0.0000,
0.0000

■ 42.2380, 0.2223,
0.3047

■ 42.2380, 0.2223,
0.3047

■ 41.0509, 0.2185,
0.3014

■ 43.6641, 0.2280,
0.3080

■ 40.0484, 0.2162,
0.2981

■ 45.3552, 0.2356,
0.3114

■ 47.3390, 0.2450,
0.3147

■ 49.6382, 0.2562,
0.3179

■ 52.2733, 0.2688,
0.3209

■ 55.2629, 0.2826,
0.3238

■ 58.6244, 0.2973,
0.3265

■ 62.3739, 0.3126,
0.3290

■ 66.5265, 0.3282,
0.3312

Harmonies

Analogous

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



42.2380, 0.2493, 0.3576



42.2380, 0.2223, 0.3047



42.2380, 0.2176, 0.2653

Triad

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



42.2380, 0.2223, 0.3047



42.2380, 0.3247, 0.2670



42.2380, 0.3921, 0.4142

Complementary

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



42.2380, 0.2223, 0.3047



16.3813, 0.5775, 0.3425

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.



42.2380, 0.4172, 0.3813



42.2380, 0.2223, 0.3047



42.2380, 0.3772, 0.2996

Square

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



42.2380, 0.2223, 0.3047



42.2380, 0.2729, 0.2479



42.2380, 0.4122, 0.3401



42.2380, 0.3467, 0.4257

Rectangle

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



42.2380, 0.2223, 0.3047



42.2380, 0.2269, 0.2504



42.2380, 0.4122, 0.3401



42.2380, 0.4033, 0.4049

Sweetspot

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



42.2395, 0.2223, 0.3047



86.4667, 0.2767, 0.3226



45.3849, 0.2975, 0.5642



18.1423, 0.2717, 0.3216



0.0000, 0.0000, 0.0000



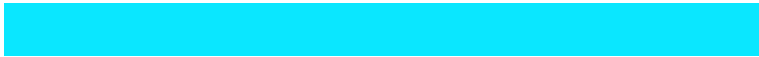
21.4041, 0.3127, 0.3290

Same Dimension

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



42.2395, 0.2223, 0.3047



64.6276, 0.2168, 0.2991



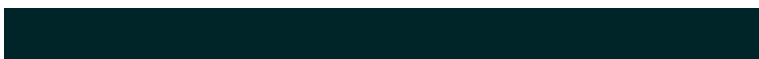
16.2012, 0.1869, 0.1701



13.2036, 0.2983, 0.3267



25.3056, 0.2163, 0.2986



1.4729, 0.2180, 0.3046

Inverse Universe

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



18.6309, 0.3405, 0.1765



27.2701, 0.3462, 0.1691



31.5890, 0.4813, 0.4317



11.9885, 0.3152, 0.3083



10.6259, 0.3466, 0.1683



0.6000, 0.3414, 0.1654

Previews

White Background



This preview shows how the Yxy color 42.2380, 0.2223, 0.3047 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 42.2380, 0.2223, 0.3047 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

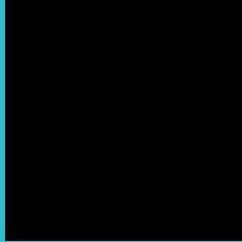
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.2380, 0.2223, 0.3047

Background



This preview shows how black text looks on a background with the Yxy color 42.2380, 0.2223, 0.3047.



This preview shows how white text looks on a background with the Yxy color 42.2380, 0.2223, 0.3047.

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

42.2380, 0.2223, 0.3047

Protanopia

41.4559, 0.2925, 0.2982

Deuteranopia

41.5644, 0.2790, 0.2733



Tritanopia

42.2380, 0.2223, 0.3047

Trichromacy



Original Color

42.2380, 0.2223, 0.3047

Protanomaly

40.1753, 0.2557, 0.2986

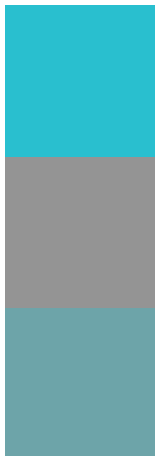
Deuteranomaly

40.3084, 0.2489, 0.2824

Tritanomaly

42.2380, 0.2223, 0.3047

Monochromacy



Original Color

42.2380, 0.2223, 0.3047

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

32.6667, 0.2626, 0.3208

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.2380, 0.2223, 0.3047 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(41, 191, 207)` looks like.

```
.text, #text, p{  
    color:rgb(41, 191, 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(41, 191, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 191, 207) }
```

Border

The CSS property to change the border of an element to Yxy 42.2380, 0.2223, 0.3047 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(41, 191, 207) }
```

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

```
.border{ border-color:rgb(41, 191, 207) }
```

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

Here you see how a box with a 4 pixel rgb(41, 191, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 191, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 191, 207);  
box-shadow:4px 4px 4px 4px rgb(41, 191,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 42.2380, 0.2223, 0.3047 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 191, 207) }
```

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

```
.background{ background-color: rgb(41, 191,  
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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