

Converting Colors

$Y_{xy}(38.3353, 0.2223, 0.2818)$

Have a look what the booklet for
Yxy(38.3353, 0.2223, 0.2818)
contains.

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Color

Yxy(38.5039, 0.2225, 0.2825)

Conversions

Conversions Part 1

Format	Color
Hex	42B4D3
RGB	66, 180, 211
RGB Percent	26%, 71%, 83%
CMY	0.7412, 0.2941, 0.1725
CMYK	0.69, 0.15, 0.00, 0.17
HSL	193°, 62%, 54%
HSV	193°, 69%, 83%
XYZ	30.3261, 38.5039, 67.4670
YIQ	149.4480, -77.8950, -14.5270

Conversions

Conversions Part 2

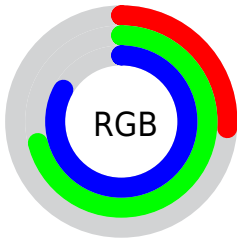
Format	Color
RYB	66, 130, 211
Decimal	4371667
CIELab	68.39, -22.09, -25.01
CIELCh	68, 33.366, 228.542
Yxy	38.5039, 0.2225, 0.2825
Android (android.graphics.Color)	4282561747 (0xFF42B4D3)
YUV	149.4480, 30.3451, -73.1839
Hunter-Lab	62.0515, -21.3529, -21.0284

Details

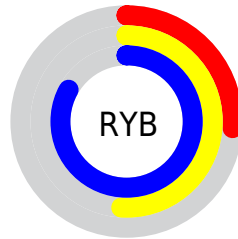
The Yxy color **38.5039, 0.2225, 0.2825** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted azure. A complement of this color would be **22.7935, 0.5117, 0.3631**, and the grayscale version is **30.1480, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.0362, 0.2444, 0.3066**, and **17.5790, 0.2081, 0.2692** is the 20% darker color. If you saturate the color by 10%, you get **36.1105, 0.2149, 0.2746**, and if you desaturate by 10%, it is **41.2296, 0.2320, 0.2903**.

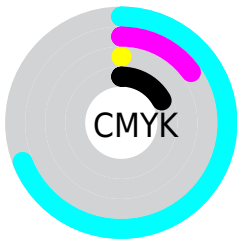
Distribution



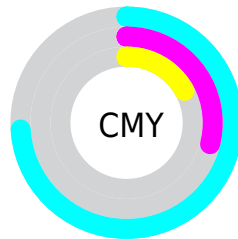
- Red (26%)
- Green (71%)
- Blue (83%)



- Red (26%)
- Yellow (51%)
- Blue (83%)



- Cyan (69%)
- Magenta (15%)
- Yellow (0%)
- Black (17%)





- Cyan (74%)
- Magenta (29%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.5039, 0.2225, 0.2825 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 38.5039, 0.2225, 0.2825 by changing the saturation by 10% instead.


 38.5039, 0.2225,
0.2825


 38.5039, 0.2225,
0.2825


339.7767, 0.2672,
0.3074

 26.3740, 0.2116,
0.2759


 72.8798, 0.2386,
0.2919


 17.1037, 0.1980,
0.2671


 95.8947, 0.2446,
0.2953

 10.3084, 0.1802,
0.2552


 123.3066, 0.2498,
0.2982

 5.6039, 0.1566,
0.2381

 155.5000, 0.2543,
0.3006

 2.6058, 0.1242,
0.2121

 192.8594, 0.2581,
0.3027

 0.9296, 0.0639,
0.1729

235.7690, 0.2615,

 0.0000, 0.0000,

0.3045

0.0000

284.6133, 0.2645,
0.3060

■ 38.5039, 0.2225,
0.2825

■ 38.5039, 0.2225,
0.2825

■ 36.1105, 0.2149,
0.2746

■ 41.2296, 0.2320,
0.2903

■ 34.0132, 0.2093,
0.2668

■ 44.3107, 0.2431,
0.2979

■ 32.1636, 0.2055,
0.2590

■ 47.7724, 0.2558,
0.3051

■ 31.9365, 0.2050,
0.2580

■ 51.6366, 0.2696,
0.3120

■ 55.9230, 0.2842,
0.3184

■ 60.6501, 0.2993,
0.3243

■ 65.8350, 0.3147,
0.3297

■ 71.4939, 0.3300,
0.3345

■ 77.4702, 0.3444,
0.3388

Harmonies

Analogous

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



38.5039, 0.2358, 0.3259



38.5039, 0.2225, 0.2825



38.5039, 0.2306, 0.2564

Triad

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



38.5039, 0.2225, 0.2825



38.5039, 0.3541, 0.2878



38.5039, 0.3637, 0.4181

Complementary

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



38.5039, 0.2225, 0.2825



22.7935, 0.5117, 0.3631

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.



38.5039, 0.3996, 0.3983



38.5039, 0.2225, 0.2825



38.5039, 0.3953, 0.3238

Square

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



38.5039, 0.2225, 0.2825



38.5039, 0.3034, 0.2615



38.5039, 0.4121, 0.3633



38.5039, 0.3156, 0.4112

Rectangle

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



38.5039, 0.2225, 0.2825



38.5039, 0.2475, 0.2500



38.5039, 0.4121, 0.3633



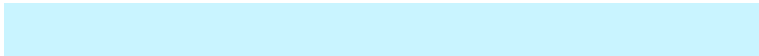
38.5039, 0.3776, 0.4140

Sweetspot

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



38.5053, 0.2225, 0.2825



84.1308, 0.2805, 0.3168



48.5775, 0.2908, 0.5117



17.6101, 0.2764, 0.3151



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.



38.5053, 0.2225, 0.2825



54.0351, 0.2124, 0.2714



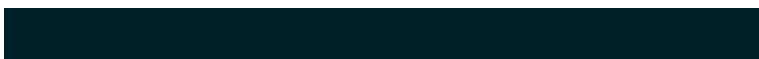
16.9061, 0.1947, 0.1686



12.9601, 0.2983, 0.3239



19.4262, 0.2053, 0.2592



1.1958, 0.2093, 0.2734

Inverse Universe

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



21.0417, 0.3584, 0.2035



27.8738, 0.3704, 0.1916



42.0665, 0.4401, 0.4433



11.9640, 0.3170, 0.3109



10.0324, 0.3832, 0.1885



0.5720, 0.3696, 0.1810

Previews

White Background



This preview shows how the Yxy color 38.5039, 0.2225, 0.2825 looks on a white background.

Color Contrast Check

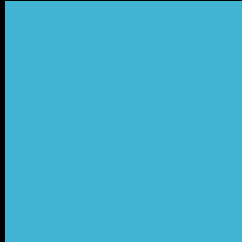
Large Text (above 18pt) WCAG AA × Fail

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 38.5039, 0.2225, 0.2825 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

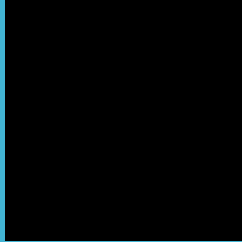
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.5039, 0.2225, 0.2825

Background



This preview shows how black text looks on a background with the Yxy color 38.5039, 0.2225, 0.2825.

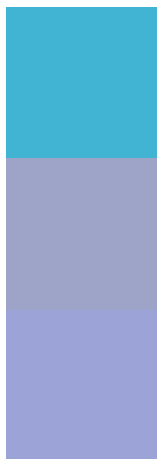


This preview shows how white text looks on a background with the Yxy color 38.5039, 0.2225, 0.2825.

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

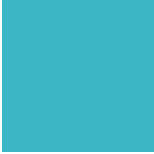
38.5039, 0.2225, 0.2825

Protanopia

37.9902, 0.2784, 0.2798

Deuteranopia

38.0692, 0.2653, 0.2598



Tritanopia

38.3867, 0.2272, 0.3055

Trichromacy



Original Color

38.5039, 0.2225, 0.2825

Protanomaly

37.4691, 0.2521, 0.2801

Deuteranomaly

37.4419, 0.2447, 0.2656

Tritanomaly

38.3041, 0.2254, 0.2966

Monochromacy



Original Color

38.5039, 0.2225, 0.2825

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

32.0421, 0.2671, 0.3098

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.5039, 0.2225, 0.2825 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(66, 180, 211)` looks like.

```
.text, #text, p{  
    color:rgb(66, 180, 211)  
}
```

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(66, 180, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 180, 211) }
```

Border

The CSS property to change the border of an element to Yxy 38.5039, 0.2225, 0.2825 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(66, 180, 211) }
```

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

```
.border{ border-color:rgb(66, 180, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 180, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 180, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 180, 211);  
box-shadow:4px 4px 4px 4px rgb(66, 180,  
211) }
```


Background

The CSS property to change the background color of an element to Yxy 38.5039, 0.2225, 0.2825 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 180, 211) }
```

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

```
.background{ background-color: rgb(66, 180,  
211) }
```

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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