

Converting Colors

$Y_{xy}(30.7388, 0.2222, 0.2999)$

Have a look what the booklet for
Yxy(30.7388, 0.2222, 0.2999)
contains.

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Color

Yxy(30.7388, 0.2222, 0.2999)

Conversions

Conversions Part 1

Format	Color
Hex	28A5B6
RGB	40, 165, 182
RGB Percent	16%, 65%, 71%
CMY	0.8428, 0.3529, 0.2863
CMYK	0.78, 0.09, 0.00, 0.29
HSL	187°, 64%, 44%
HSV	187°, 78%, 71%
XYZ	22.7748, 30.7388, 48.9832
YIQ	129.5630, -79.9570, -21.2130

Conversions

Conversions Part 2

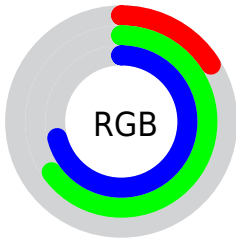
Format	Color
RYB	40, 106, 182
Decimal	2663862
CIELab	62.29, -26.88, -18.27
CIELCh	62, 32.505, 214.200
Yxy	30.7388, 0.2222, 0.2999
Android (android.graphics.Color)	4280853942 (0xFF28A5B6)
YUV	129.5630, 25.8514, -78.5468
Hunter-Lab	55.4426, -23.7000, -13.5726

Details

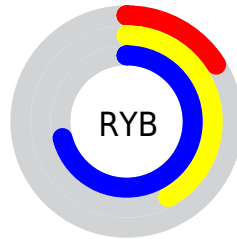
The Yxy color **30.7388, 0.2222, 0.2999** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **13.0308, 0.5624, 0.3467**, and the grayscale version is **22.0974, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.6744, 0.2394, 0.3061**, and **13.3952, 0.2141, 0.2906** is the 20% darker color. If you saturate the color by 10%, you get **29.6771, 0.2176, 0.2958**, and if you desaturate by 10%, it is **31.9879, 0.2287, 0.3041**.

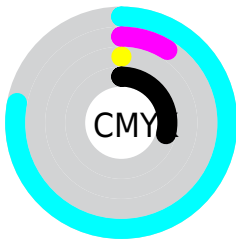
Distribution



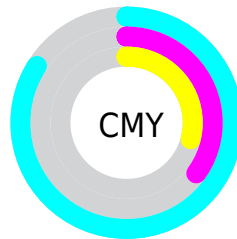
- Red (16%)
- Green (65%)
- Blue (71%)



- Red (16%)
- Yellow (42%)
- Blue (71%)



- Cyan (78%)
- Magenta (9%)
- Yellow (0%)
- Black (29%)




- Cyan (84%)
- Magenta (35%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.7388, 0.2222, 0.2999 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 30.7388, 0.2222, 0.2999 by changing the saturation by 10% instead.


 30.7388, 0.2222,
0.2999


 30.7388, 0.2222,
0.2999


305.3332, 0.2689,
0.3168

 20.4000, 0.2103,
0.2949


 60.8286, 0.2394,
0.3066


 12.6862, 0.1948,
0.2878


 81.3484, 0.2458,
0.3090


 7.2128, 0.1742,
0.2776


 106.0307, 0.2512,
0.3109

 3.5955, 0.1458,
0.2615

 135.2599, 0.2558,
0.3125

 1.4500, 0.1029,
0.2343

 169.4203, 0.2597,
0.3138

 0.2531, 0.0000,
0.1309

208.8964, 0.2632,

 0.0000, 0.0000,

0.3150

0.0000

254.0726, 0.2662,
0.3160

■ 30.7388, 0.2222,
0.2999

■ 30.7388, 0.2222,
0.2999

■ 29.6771, 0.2176,
0.2958

■ 31.9879, 0.2287,
0.3041

■ 28.7655, 0.2147,
0.2917

■ 33.4423, 0.2370,
0.3082

■ 28.5885, 0.2141,
0.2908

■ 35.1216, 0.2471,
0.3122

■ 37.0418, 0.2588,
0.3162

■ 39.2175, 0.2718,
0.3199

■ 41.6623, 0.2858,
0.3234

■ 44.3885, 0.3006,
0.3266

■ 47.4078, 0.3158,
0.3296

■ 50.7311, 0.3312,
0.3323

Harmonies

Analogous

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



30.7388, 0.2464, 0.3509



30.7388, 0.2222, 0.2999



30.7388, 0.2201, 0.2633

Triad

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



30.7388, 0.2222, 0.2999



30.7388, 0.3307, 0.2711



30.7388, 0.3864, 0.4153

Complementary

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



30.7388, 0.2222, 0.2999



13.0308, 0.5624, 0.3467

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.



30.7388, 0.4138, 0.3849



30.7388, 0.2222, 0.2999



30.7388, 0.3811, 0.3045

Square

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



30.7388, 0.2222, 0.2999



30.7388, 0.2790, 0.2506



30.7388, 0.4125, 0.3448



30.7388, 0.3403, 0.4231

Rectangle

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



30.7388, 0.2222, 0.2999



30.7388, 0.2309, 0.2502



30.7388, 0.4125, 0.3448



30.7388, 0.3982, 0.4070

Sweetspot

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



30.7399, 0.2222, 0.2999



73.0812, 0.2781, 0.3215



34.1966, 0.2958, 0.5517



15.7969, 0.2731, 0.3202



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



30.7399, 0.2222, 0.2999



52.5391, 0.2153, 0.2926



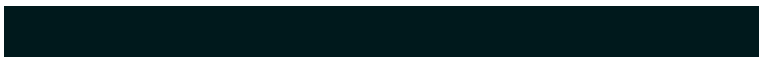
11.9204, 0.1879, 0.1676



10.0221, 0.2985, 0.3262



20.2554, 0.2143, 0.2913



0.7662, 0.2172, 0.3019

Inverse Universe

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



14.1834, 0.3444, 0.1820



23.0267, 0.3518, 0.1730



25.4296, 0.4693, 0.4366



9.1437, 0.3155, 0.3091



8.8271, 0.3531, 0.1719



0.3164, 0.3438, 0.1667

Previews

White Background



This preview shows how the Yxy color 30.7388, 0.2222, 0.2999 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 30.7388, 0.2222, 0.2999 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

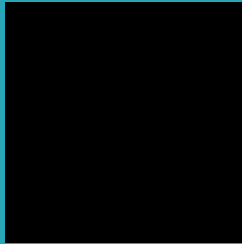
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.7388, 0.2222, 0.2999

Background



This preview shows how black text looks on a background with the Yxy color 30.7388, 0.2222, 0.2999.

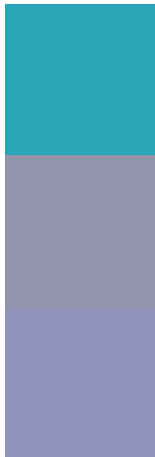


This preview shows how white text looks on a background with the Yxy color 30.7388, 0.2222, 0.2999.

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

30.7388, 0.2222, 0.2999

Protanopia

30.2311, 0.2898, 0.2940

Deuteranopia

30.4323, 0.2763, 0.2715



Tritanopia

30.5583, 0.2229, 0.3047

Trichromacy



Original Color

30.7388, 0.2222, 0.2999

Protanomaly

29.3321, 0.2547, 0.2946

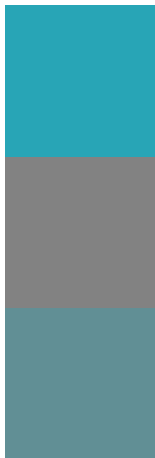
Deuteranomaly

29.7398, 0.2480, 0.2796

Tritanomaly

30.6176, 0.2227, 0.3031

Monochromacy



Original Color

30.7388, 0.2222, 0.2999

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

24.3562, 0.2634, 0.3179

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.7388, 0.2222, 0.2999 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(40, 165, 182)` looks like.

```
.text, #text, p{  
    color:rgb(40, 165, 182)  
}
```

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(40, 165, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 165, 182) }
```

Border

The CSS property to change the border of an element to Yxy 30.7388, 0.2222, 0.2999 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(40, 165, 182) }
```

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

```
.border{ border-color:rgb(40, 165, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 165, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 165, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 165, 182);  
box-shadow:4px 4px 4px 4px rgb(40, 165,  
182) }
```


Background

The CSS property to change the background color of an element to Yxy 30.7388, 0.2222, 0.2999 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 165, 182) }
```

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

```
.background{ background-color: rgb(40, 165,  
182) }
```

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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