

Converting Colors

$Yxy(32.2389, 0.2613, 0.3788)$

Have a look what the booklet for
Yxy(32.2389, 0.2613, 0.3788)
contains.

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Color

Yxy(32.2389, 0.2613, 0.3788)

Conversions

Conversions Part 1

Format	Color
Hex	4CAA8E
RGB	76, 170, 142
RGB Percent	30%, 67%, 56%
CMY	0.7018, 0.3333, 0.4432
CMYK	0.55, 0.00, 0.16, 0.33
HSL	162°, 38%, 48%
HSV	162°, 55%, 67%
XYZ	22.2387, 32.2389, 30.6304
YIQ	138.7020, -47.0360, -28.6360

Conversions

Conversions Part 2

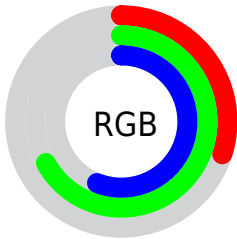
Format	Color
RYB	76, 131, 170
Decimal	5024398
CIELab	63.54, -34.74, 6.09
CIELCh	64, 35.273, 170.057
Yxy	32.2389, 0.2613, 0.3788
Android (android.graphics.Color)	4283214478 (0xFF4CAA8E)
YUV	138.7020, 1.6259, -54.9897
Hunter-Lab	56.7793, -29.4508, 7.7607

Details

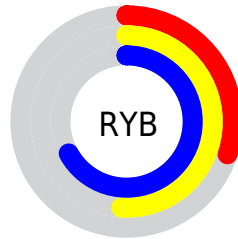
The Yxy color **32.2389, 0.2613, 0.3788** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **14.7229, 0.4231, 0.2875**, and the grayscale version is **25.7099, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.2838, 0.2715, 0.3681**, and **13.5017, 0.2436, 0.3959** is the 20% darker color. If you saturate the color by 10%, you get **31.4841, 0.2561, 0.3897**, and if you desaturate by 10%, it is **33.1872, 0.2682, 0.3683**.

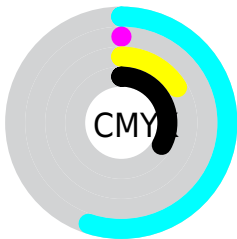
Distribution



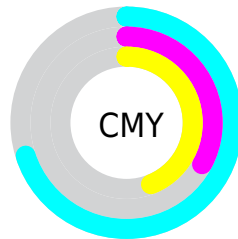
- Red (30%)
- Green (67%)
- Blue (56%)



- Red (30%)
- Yellow (51%)
- Blue (67%)



- Cyan (55%)
- Magenta (0%)
- Yellow (16%)
- Black (33%)




- Cyan (70%)
- Magenta (33%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.2389, 0.2613, 0.3788 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 32.2389, 0.2613, 0.3788 by changing the saturation by 10% instead.


 32.2389, 0.2613,
0.3788


 32.2389, 0.2613,
0.3788


312.2061, 0.2888,
0.3517

 21.5440, 0.2538,
0.3864


 63.1854, 0.2718,
0.3684


 13.5223, 0.2437,
0.3967


 84.2059, 0.2756,
0.3646


 7.7891, 0.2296,
0.4115


 109.4370, 0.2787,
0.3615

 3.9603, 0.2084,
0.4344

 139.2631, 0.2814,
0.3589

 1.6514, 0.1669,
0.4780

 174.0687, 0.2836,
0.3567

 0.3919, 0.0000,
0.9978

214.2381, 0.2856,

 0.0000, 0.0000,

0.3548

0.0000

260.1558, 0.2873,
0.3531

■ 32.2389, 0.2613,
0.3788

■ 32.2389, 0.2613,
0.3788

■ 31.4841, 0.2561,
0.3897

■ 33.1872, 0.2682,
0.3683

■ 30.9040, 0.2527,
0.4009

■ 34.3385, 0.2765,
0.3584

■ 30.4828, 0.2513,
0.4121

■ 35.7061, 0.2859,
0.3491

■ 30.1988, 0.2518,
0.4232

■ 37.3011, 0.2961,
0.3406

■ 30.0882, 0.2524,
0.4284

■ 39.1340, 0.3069,
0.3328

■ 41.2144, 0.3180,
0.3258

■ 43.5515, 0.3292,
0.3195

■ 46.1539, 0.3404,
0.3139

■ 49.0300, 0.3513,
0.3090

Harmonies

Analogous

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



32.2389, 0.3126, 0.4208



32.2389, 0.2613, 0.3788



32.2389, 0.2257, 0.3222

Triad

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



32.2389, 0.2613, 0.3788



32.2389, 0.2548, 0.2416



32.2389, 0.4242, 0.3683

Complementary

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



32.2389, 0.2613, 0.3788



14.7229, 0.4231, 0.2875

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.



32.2389, 0.4071, 0.3248



32.2389, 0.2613, 0.3788



32.2389, 0.3048, 0.2554

Square

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



32.2389, 0.2613, 0.3788



32.2389, 0.2227, 0.2473



32.2389, 0.3617, 0.2849



32.2389, 0.4081, 0.4073

Rectangle

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



32.2389, 0.2613, 0.3788



32.2389, 0.2143, 0.2884



32.2389, 0.3617, 0.2849



32.2389, 0.4222, 0.3539

Sweetspot

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



32.2402, 0.2613, 0.3788



67.0530, 0.2939, 0.3423



32.2291, 0.3266, 0.4914



14.8245, 0.2919, 0.3439



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



32.2402, 0.2613, 0.3788



56.8973, 0.2553, 0.3918



26.6417, 0.2370, 0.2959



8.4933, 0.3025, 0.3358



22.1434, 0.2520, 0.4272



0.5471, 0.2419, 0.3907

Inverse Universe

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



14.7229, 0.4231, 0.2875



21.9310, 0.4627, 0.2822



17.2242, 0.4556, 0.3574



7.5778, 0.3241, 0.3223



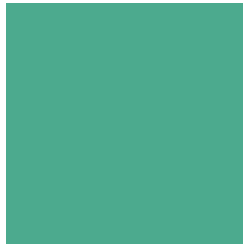
6.4693, 0.5725, 0.2928



0.1663, 0.4813, 0.2425

Previews

White Background



This preview shows how the Yxy color 32.2389, 0.2613, 0.3788 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 32.2389, 0.2613, 0.3788 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

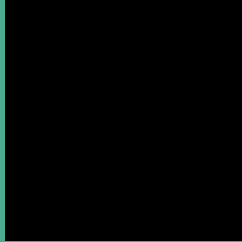
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.2389, 0.2613, 0.3788

Background



This preview shows how black text looks on a background with the Yxy color 32.2389, 0.2613, 0.3788.



This preview shows how white text looks on a background with the Yxy color 32.2389, 0.2613, 0.3788.

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

32.2389, 0.2613, 0.3788

Protanopia

31.6235, 0.3393, 0.3581

Deuteranopia

31.8324, 0.3368, 0.3305



Tritanopia

32.1993, 0.2437, 0.3075

Trichromacy



Original Color

32.2389, 0.2613, 0.3788

Protanomaly

31.2410, 0.3043, 0.3671

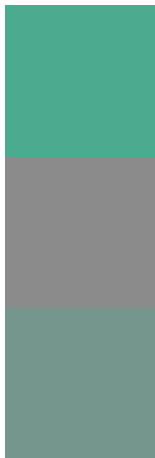
Deuteranomaly

31.0555, 0.3032, 0.3468

Tritanomaly

32.2389, 0.2500, 0.3322

Monochromacy



Original Color

32.2389, 0.2613, 0.3788

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

27.4191, 0.2886, 0.3464

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.2389, 0.2613, 0.3788 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(76, 170, 142)` looks like.

```
.text, #text, p{  
    color:rgb(76, 170, 142)  
}
```

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(76, 170, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 170, 142) }
```

Border

The CSS property to change the border of an element to Yxy 32.2389, 0.2613, 0.3788 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(76, 170, 142) }
```

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

```
.border{ border-color:rgb(76, 170, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 170, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 170, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 170, 142);  
box-shadow:4px 4px 4px 4px rgb(76, 170,  
142) }
```


Background

The CSS property to change the background color of an element to Yxy 32.2389, 0.2613, 0.3788 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 170, 142) }
```

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

```
.background{ background-color: rgb(76, 170,  
142) }
```

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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