

Converting Colors

$Yxy(30.7567, 0.2459, 0.3458)$

Have a look what the booklet for
Yxy(30.7567, 0.2459, 0.3458)
contains.

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Color

Yxy(30.8310, 0.2460, 0.3466)

Conversions

Conversions Part 1

Format	Color
Hex	42A69C
RGB	66, 166, 156
RGB Percent	26%, 65%, 61%
CMY	0.7411, 0.3490, 0.3883
CMYK	0.60, 0.00, 0.06, 0.35
HSL	174°, 43%, 45%
HSV	174°, 60%, 65%
XYZ	21.8824, 30.8310, 36.2393
YIQ	134.9600, -56.3900, -24.3100

Conversions

Conversions Part 2

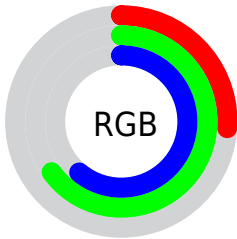
Format	Color
R _{YB}	66, 119, 166
Decimal	4368028
CIE Lab	62.36, -31.33, -3.49
CIE LCh	62, 31.526, 186.357
Yxy	30.8310, 0.2460, 0.3466
Android (android.graphics.Color)	4282558108 (0xFF42A69C)
YUV	134.9600, 10.3727, -60.4779
Hunter-Lab	55.5257, -26.8241, 0.1718

Details

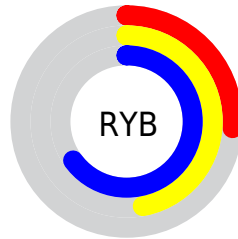
The Yxy color **30.8310, 0.2460, 0.3466** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **12.5274, 0.4773, 0.3150**, and the grayscale version is **24.1903, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.1808, 0.2594, 0.3445**, and **12.8302, 0.2305, 0.3498** is the 20% darker color. If you saturate the color by 10%, you get **30.2808, 0.2402, 0.3500**, and if you desaturate by 10%, it is **31.5517, 0.2536, 0.3433**.

Distribution



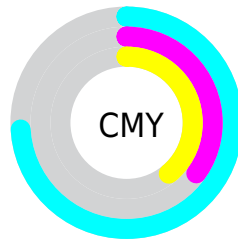
- Red (26%)
- Green (65%)
- Blue (61%)



- Red (26%)
- Yellow (47%)
- Blue (65%)



- Cyan (60%)
- Magenta (0%)
- Yellow (6%)
- Black (35%)





- Cyan (74%)
- Magenta (35%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.8310, 0.2460, 0.3466 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 30.8310, 0.2460, 0.3466 by changing the saturation by 10% instead.

 30.8310, 0.2460,
0.3466


 30.8310, 0.2460,
0.3466


305.7590, 0.2812,
0.3377


 20.4702, 0.2366,
0.3488


 60.9739, 0.2592,
0.3434

 12.7373, 0.2243,
0.3516

 81.5248, 0.2640,
0.3421


 7.2479, 0.2072,
0.3553


 106.2411, 0.2681,
0.3411

 3.6176, 0.1823,
0.3602

 135.5074, 0.2715,
0.3402

 1.4620, 0.1355,
0.3696

 169.7079, 0.2744,
0.3395

 0.2618, 0.0000,
0.3310

209.2271, 0.2770,

 0.0000, 0.0000,

0.3388

0.0000

254.4493, 0.2792,
0.3382

■ 30.8310, 0.2460,
0.3466

■ 30.8310, 0.2460,
0.3466

■ 30.2808, 0.2402,
0.3500

■ 31.5517, 0.2536,
0.3433

■ 29.8825, 0.2363,
0.3534

■ 32.4525, 0.2629,
0.3401

■ 29.6199, 0.2341,
0.3568

■ 33.5463, 0.2737,
0.3370

■ 29.4554, 0.2334,
0.3601

■ 34.8442, 0.2857,
0.3342

■ 36.3560, 0.2987,
0.3315

■ 38.0912, 0.3124,
0.3291

■ 40.0585, 0.3265,
0.3269

■ 42.2663, 0.3407,
0.3249

■ 44.7226, 0.3550,
0.3231

Harmonies

Analogous

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



30.8310, 0.2864, 0.3940



30.8310, 0.2460, 0.3466



30.8310, 0.2239, 0.2978

Triad

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



30.8310, 0.2460, 0.3466



30.8310, 0.2834, 0.2537



30.8310, 0.4097, 0.3860

Complementary

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



30.8310, 0.2460, 0.3466



12.5274, 0.4773, 0.3150

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.



30.8310, 0.4105, 0.3475



30.8310, 0.2460, 0.3466



30.8310, 0.3340, 0.2747

Square

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



30.8310, 0.2460, 0.3466



30.8310, 0.2441, 0.2490



30.8310, 0.3820, 0.3080



30.8310, 0.3815, 0.4141

Rectangle

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



30.8310, 0.2460, 0.3466



30.8310, 0.2211, 0.2728



30.8310, 0.3820, 0.3080



30.8310, 0.4133, 0.3738

Sweetspot

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



30.8322, 0.2460, 0.3466



63.7264, 0.2881, 0.3336



29.2736, 0.3118, 0.5146



14.0989, 0.2846, 0.3344



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



30.8322, 0.2460, 0.3466



54.7010, 0.2388, 0.3510



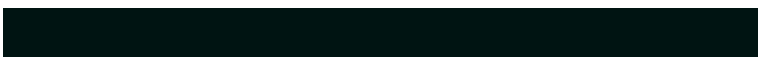
19.2652, 0.2241, 0.2569



8.5189, 0.3000, 0.3313



22.8438, 0.2333, 0.3597



0.5594, 0.2302, 0.3486

Inverse Universe

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



12.5274, 0.4773, 0.3150



18.5445, 0.5352, 0.3150



18.4704, 0.4544, 0.3869



7.5541, 0.3270, 0.3268



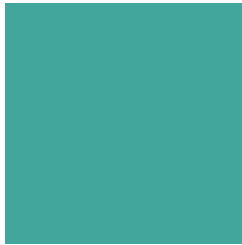
6.3206, 0.6259, 0.3222



0.1574, 0.5721, 0.2925

Previews

White Background



This preview shows how the Yxy color 30.8310, 0.2460, 0.3466 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 30.8310, 0.2460, 0.3466 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

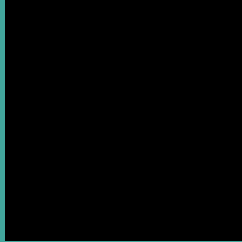
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.8310, 0.2460, 0.3466

Background



This preview shows how black text looks on a background with the Yxy color 30.8310, 0.2460, 0.3466.

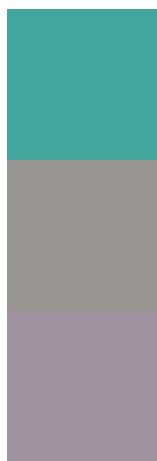


This preview shows how white text looks on a background with the Yxy color 30.8310, 0.2460, 0.3466.

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

30.8310, 0.2460, 0.3466

Protanopia

30.3425, 0.3197, 0.3337

Deuteranopia

30.1598, 0.3127, 0.3065



Tritanopia

30.7848, 0.2369, 0.3069

Trichromacy



Original Color

30.8310, 0.2460, 0.3466



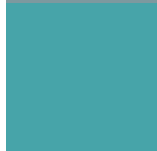
Protanomaly

29.7096, 0.2851, 0.3373



Deuteranomaly

29.6456, 0.2810, 0.3191



Tritanomaly

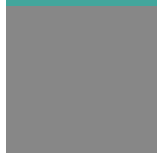
30.7551, 0.2398, 0.3202

Monochromacy



Original Color

30.8310, 0.2460, 0.3466



Achromatopsia

24.2281, 0.3127, 0.3290



Achromatomaly

25.8559, 0.2801, 0.3342

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.8310, 0.2460, 0.3466 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, 166, 156)` looks like.

```
.text, #text, p{  
    color:rgb(66, 166, 156)  
}
```

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, 166, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 166, 156) }
```

Border

The CSS property to change the border of an element to Yxy 30.8310, 0.2460, 0.3466 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, 166, 156) }
```

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

```
.border{ border-color:rgb(66, 166, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 166, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 166, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 166, 156);  
box-shadow:4px 4px 4px 4px rgb(66, 166,  
156) }
```


Background

The CSS property to change the background color of an element to Yxy 30.8310, 0.2460, 0.3466 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 166, 156) }
```

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

```
.background{ background-color: rgb(66, 166,  
156) }
```

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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