

Converting Colors

$Yxy(36.2446, 0.2771, 0.3290)$

Have a look what the booklet for
Yxy(36.2446, 0.2771, 0.3290)
contains.

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Color

Yxy(36.2409, 0.2771, 0.3289)

Conversions

Conversions Part 1

Format	Color
Hex	80AAAA
RGB	128, 170, 170
RGB Percent	50%, 67%, 67%
CMY	0.4980, 0.3333, 0.3333
CMYK	0.25, 0.00, 0.00, 0.33
HSL	180°, 20%, 58%
HSV	180°, 25%, 67%
XYZ	30.5332, 36.2409, 43.4142
YIQ	157.4420, -25.0320, -8.9040

Conversions

Conversions Part 2

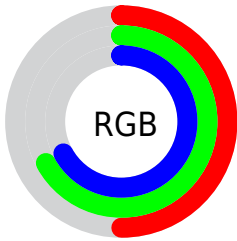
Format	Color
R _Y B	128, 149, 170
Decimal	8432298
CIE _{Lab}	66.70, -14.04, -4.61
CIE _{LCh}	67, 14.782, 198.180
Y _{xy}	36.2409, 0.2771, 0.3289
Android (android.graphics.Color)	4286622378 (0xFF80AAAA)
Y _{UV}	157.4420, 6.1911, -25.8206
Hunter-Lab	60.2004, -14.8170, -0.6173

Details

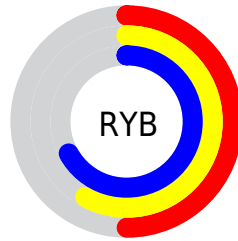
The Yxy color **36.2409, 0.2771, 0.3289** is a light color, and the websafe version is hex **669999**. A complement of this color would be **25.5463, 0.3633, 0.3291**, and the grayscale version is **33.9078, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.2318, 0.2841, 0.3289**, and **15.8427, 0.2659, 0.3289** is the 20% darker color. If you saturate the color by 10%, you get **35.0325, 0.2646, 0.3289**, and if you desaturate by 10%, it is **37.6732, 0.2908, 0.3289**.

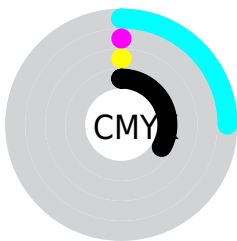
Distribution



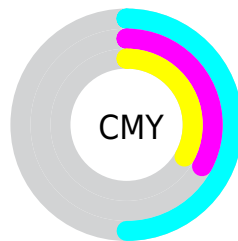
- Red (50%)
- Green (67%)
- Blue (67%)



- Red (50%)
- Yellow (58%)
- Blue (67%)



- Cyan (25%)
- Magenta (0%)
- Yellow (0%)
- Black (33%)





- Cyan (50%)
- Magenta (33%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.2409, 0.2771, 0.3289 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 36.2409, 0.2771, 0.3289 by changing the saturation by 10% instead.

 36.2409, 0.2771,
0.3289


 36.2409, 0.2771,
0.3289


330.0122, 0.2955,
0.3292


 24.6203, 0.2723,
0.3288


 69.4037, 0.2839,
0.3291

 15.7944, 0.2660,
0.3285


 91.7147, 0.2864,
0.3291

 9.3788, 0.2575,
0.3281

 118.3580, 0.2886,
0.3291

 4.9891, 0.2452,
0.3273

149.7180, 0.2904,
0.3291

 2.2408, 0.2258,
0.3255

186.1790, 0.2919,
0.3292

 0.7421, 0.1615,
0.3306

228.1254, 0.2933,

 0.0000, 0.0000,

0.3292

0.0000

275.9417, 0.2944,
0.3292

■ 36.2409, 0.2771,
0.3289

■ 36.2409, 0.2771,
0.3289

■ 35.0325, 0.2646,
0.3289

■ 37.6732, 0.2908,
0.3289

■ 34.0324, 0.2536,
0.3288

■ 39.3350, 0.3055,
0.3290

■ 33.2303, 0.2443,
0.3288

■ 41.2376, 0.3209,
0.3290

■ 32.6130, 0.2369,
0.3288

■ 43.3899, 0.3367,
0.3291

■ 32.1658, 0.2313,
0.3288

■ 45.8006, 0.3526,
0.3291

■ 31.8717, 0.2275,
0.3288

■ 48.4777, 0.3685,
0.3292

■ 31.7100, 0.2254,
0.3288

■ 51.4292, 0.3840,
0.3292

■ 31.6518, 0.2247,
0.3288

■ 52.9129, 0.3912,
0.3292

■ 52.9130, 0.3912,
0.3292

Harmonies

Analogous

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



36.2409, 0.2935, 0.3496



36.2409, 0.2771, 0.3289



36.2409, 0.2701, 0.3091

Triad

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



36.2409, 0.2771, 0.3289



36.2409, 0.3088, 0.2966



36.2409, 0.3526, 0.3617

Complementary

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



36.2409, 0.2771, 0.3289



25.5463, 0.3633, 0.3291

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.



36.2409, 0.3573, 0.3464



36.2409, 0.2771, 0.3289



36.2409, 0.3315, 0.3095

Square

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



36.2409, 0.2771, 0.3289



36.2409, 0.2879, 0.2915



36.2409, 0.3495, 0.3275



36.2409, 0.3371, 0.3688

Rectangle

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



36.2409, 0.2771, 0.3289



36.2409, 0.2715, 0.2993



36.2409, 0.3495, 0.3275



36.2409, 0.3555, 0.3573

Sweetspot

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



36.2424, 0.2771, 0.3289



70.5964, 0.3019, 0.3290



34.9535, 0.3101, 0.3973



15.7036, 0.3011, 0.3290



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.



36.2424, 0.2771, 0.3289



64.4262, 0.2696, 0.3289



29.2114, 0.2744, 0.2966



8.5321, 0.2987, 0.3290



23.2829, 0.2247, 0.3288



0.5665, 0.2247, 0.3288

Inverse Universe

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



25.5463, 0.3633, 0.3291



41.4237, 0.3798, 0.3292



31.3811, 0.3562, 0.3593



7.5423, 0.3286, 0.3290



6.2866, 0.6401, 0.3300



0.1530, 0.6400, 0.3299

Previews

White Background



This preview shows how the Yxy color 36.2409, 0.2771, 0.3289 looks on a white background.

Color Contrast Check

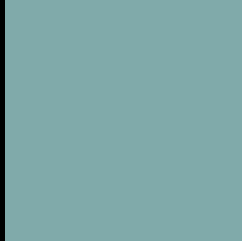
Large Text (above 18pt) WCAG AA × Fail

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 36.2409, 0.2771, 0.3289 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

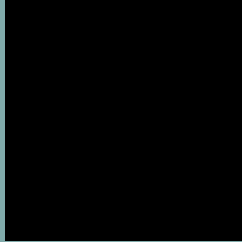
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.2409, 0.2771, 0.3289

Background



This preview shows how black text looks on a background with the Yxy color 36.2409, 0.2771, 0.3289.

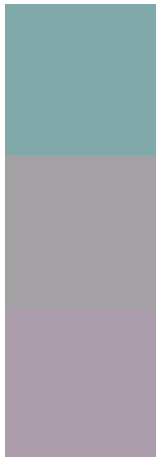


This preview shows how white text looks on a background with the Yxy color 36.2409, 0.2771, 0.3289.

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

36.2409, 0.2771, 0.3289

Protanopia

36.0989, 0.3120, 0.3233

Deuteranopia

35.9017, 0.3128, 0.3067



Tritanopia

36.2080, 0.2705, 0.3079

Trichromacy



Original Color

36.2409, 0.2771, 0.3289

Protanomaly

35.9202, 0.2983, 0.3245

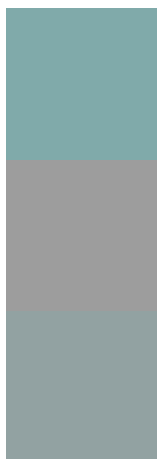
Deuteranomaly

35.8871, 0.2986, 0.3145

Tritanomaly

36.3361, 0.2727, 0.3153

Monochromacy



Original Color

36.2409, 0.2771, 0.3289

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

34.5603, 0.2979, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.2409, 0.2771, 0.3289 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(128, 170, 170)` looks like.

```
.text, #text, p{  
    color:rgb(128, 170, 170)  
}
```

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(128, 170, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 170, 170) }
```

Border

The CSS property to change the border of an element to Yxy 36.2409, 0.2771, 0.3289 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(128, 170, 170) }
```

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

```
.border{ border-color:rgb(128, 170, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 170, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 170, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 170, 170);  
box-shadow:4px 4px 4px 4px rgb(128, 170,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 36.2409, 0.2771, 0.3289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 170, 170) }
```

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

```
.background{ background-color: rgb(128,  
170, 170) }
```

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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