

Converting Colors

$Y_{xy}(37.2403, 0.2788, 0.3338)$

Have a look what the booklet for
Yxy(37.2403, 0.2788, 0.3338)
contains.

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Color

Yxy(37.0367, 0.2788, 0.3335)

Conversions

Conversions Part 1

Format	Color
Hex	81ACA9
RGB	129, 172, 169
RGB Percent	51%, 67%, 66%
CMY	0.4943, 0.3254, 0.3372
CMYK	0.25, 0.00, 0.02, 0.33
HSL	176°, 21%, 59%
HSV	176°, 25%, 67%
XYZ	30.9620, 37.0367, 43.0559
YIQ	158.8010, -24.6650, -10.0490

Conversions

Conversions Part 2

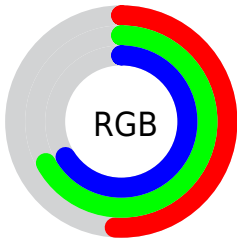
Format	Color
RYB	129, 151, 172
Decimal	8498345
CIELab	67.30, -15.04, -3.17
CIElCh	67, 15.369, 191.902
Yxy	37.0367, 0.2788, 0.3335
Android (android.graphics.Color)	4286688425 (0xFF81ACA9)
YUV	158.8010, 5.0281, -26.1355
Hunter-Lab	60.8578, -15.6874, 0.6538

Details

The Yxy color **37.0367, 0.2788, 0.3335** is a light color, and the websafe version is hex **669999**. A complement of this color would be **26.1249, 0.3606, 0.3246**, and the grayscale version is **34.5571, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.3873, 0.2855, 0.3324**, and **16.3370, 0.2684, 0.3355** is the 20% darker color. If you saturate the color by 10%, you get **35.7583, 0.2670, 0.3355**, and if you desaturate by 10%, it is **38.5452, 0.2917, 0.3316**.

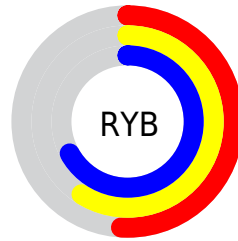
Distribution



Red (51%)

Green (67%)

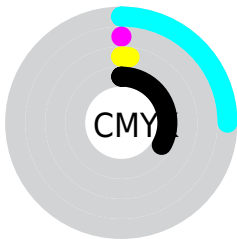
Blue (66%)



Red (51%)

Yellow (59%)

Blue (67%)

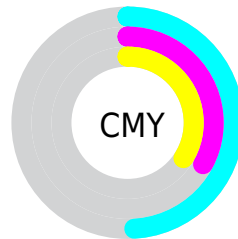


Cyan (25%)

Magenta (0%)

Yellow (2%)

Black (33%)



Cyan (49%)


Magenta (33%)

Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.0367, 0.2788, 0.3335 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 37.0367, 0.2788, 0.3335 by changing the saturation by 10% instead.


 37.0367, 0.2788,
0.3335


 37.0367, 0.2788,
0.3335


333.4694, 0.2963,
0.3313


 25.2359, 0.2743,
0.3340


 70.6292, 0.2853,
0.3327

 16.2529, 0.2683,
0.3346


 93.1897, 0.2877,
0.3324

 9.7033, 0.2602,
0.3354


 120.1056, 0.2897,
0.3322

 5.2027, 0.2486,
0.3364

151.7613, 0.2914,
0.3320

 2.3667, 0.2303,
0.3377

188.5411, 0.2929,
0.3318

 0.8087, 0.1731,
0.3487

230.8294, 0.2942,

 0.0000, 0.0000,

0.3316

0.0000

279.0107, 0.2953,
0.3315

■ 37.0367, 0.2788,
0.3335

■ 37.0367, 0.2788,
0.3335

■ 35.7583, 0.2670,
0.3355

■ 38.5452, 0.2917,
0.3316

■ 34.6943, 0.2566,
0.3377

■ 40.2899, 0.3055,
0.3298

■ 33.8337, 0.2479,
0.3399

■ 42.2822, 0.3199,
0.3282

■ 33.1629, 0.2409,
0.3422

■ 44.5314, 0.3346,
0.3268

■ 32.6669, 0.2359,
0.3446

■ 47.0464, 0.3494,
0.3255

■ 32.3278, 0.2326,
0.3469

■ 49.8356, 0.3641,
0.3244

■ 32.1243, 0.2311,
0.3492

■ 52.9070, 0.3785,
0.3234

■ 32.0482, 0.2307,
0.3503

■ 54.0090, 0.3824,
0.3223

■ 54.0577, 0.3813,
0.3210

Harmonies

Analogous

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



37.0367, 0.2973, 0.3542



37.0367, 0.2788, 0.3335



37.0367, 0.2694, 0.3123

Triad

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



37.0367, 0.2788, 0.3335



37.0367, 0.3038, 0.2937



37.0367, 0.3560, 0.3600

Complementary

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



37.0367, 0.2788, 0.3335



26.1249, 0.3606, 0.3246

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.



37.0367, 0.3581, 0.3429



37.0367, 0.2788, 0.3335



37.0367, 0.3274, 0.3056

Square

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



37.0367, 0.2788, 0.3335



37.0367, 0.2834, 0.2904



37.0367, 0.3475, 0.3233



37.0367, 0.3419, 0.3694

Rectangle

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



37.0367, 0.2788, 0.3335



37.0367, 0.2692, 0.3011



37.0367, 0.3475, 0.3233



37.0367, 0.3581, 0.3549

Sweetspot

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



37.0382, 0.2788, 0.3335



72.0482, 0.3012, 0.3304



36.0429, 0.3126, 0.3979



15.5550, 0.2991, 0.3306



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.



37.0382, 0.2788, 0.3335



65.8542, 0.2722, 0.3346



30.7771, 0.2742, 0.3007



9.0623, 0.2995, 0.3306



23.8485, 0.2306, 0.3501



0.6663, 0.2286, 0.3431

Inverse Universe

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



26.1249, 0.3606, 0.3246



42.6531, 0.3751, 0.3236



31.1904, 0.3580, 0.3556



8.0241, 0.3276, 0.3275



6.5498, 0.6307, 0.3248



0.1851, 0.5930, 0.3040

Previews

White Background



This preview shows how the Yxy color 37.0367, 0.2788, 0.3335 looks on a white background.

Color Contrast Check

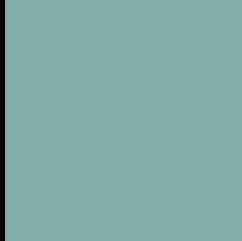
Large Text (above 18pt) WCAG AA × Fail

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 37.0367, 0.2788, 0.3335 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

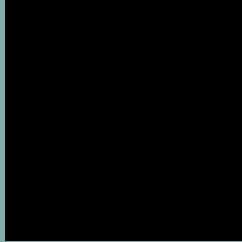
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.0367, 0.2788, 0.3335

Background



This preview shows how black text looks on a background with the Yxy color 37.0367, 0.2788, 0.3335.

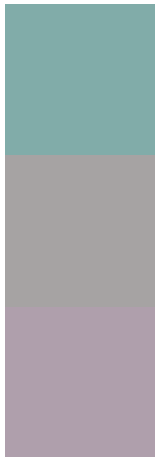


This preview shows how white text looks on a background with the Yxy color 37.0367, 0.2788, 0.3335.

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

37.0367, 0.2788, 0.3335

Protanopia

36.9457, 0.3155, 0.3290

Deuteranopia

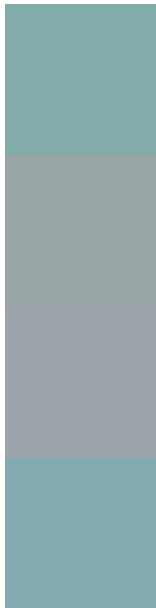
36.8888, 0.3164, 0.3111



Tritanopia

37.0739, 0.2709, 0.3096

Trichromacy



Original Color

37.0367, 0.2788, 0.3335

Protanomaly

36.7614, 0.3017, 0.3304

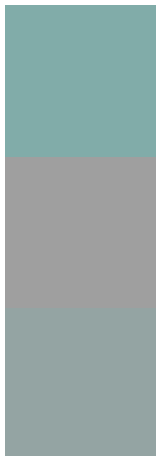
Deuteranomaly

36.7603, 0.3012, 0.3189

Tritanomaly

37.1655, 0.2738, 0.3184

Monochromacy



Original Color

37.0367, 0.2788, 0.3335

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

35.4912, 0.2989, 0.3305

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.0367, 0.2788, 0.3335 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(129, 172, 169)` looks like.

```
.text, #text, p{  
    color:rgb(129, 172, 169)  
}
```

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(129, 172, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 172, 169) }
```

Border

The CSS property to change the border of an element to Yxy 37.0367, 0.2788, 0.3335 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(129, 172, 169) }
```

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

```
.border{ border-color:rgb(129, 172, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 172, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 172, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 172, 169);  
box-shadow:4px 4px 4px 4px rgb(129, 172,  
169) }
```


Background

The CSS property to change the background color of an element to Yxy 37.0367, 0.2788, 0.3335 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 172, 169) }
```

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

```
.background{ background-color: rgb(129,  
172, 169) }
```

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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