

Converting Colors

$Y_{xy}(38.1291, 0.2876, 0.3541)$

Have a look what the booklet for
Yxy(38.1291, 0.2876, 0.3541)
contains.

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Color

Yxy(37.9090, 0.2873, 0.3536)

Conversions

Conversions Part 1

Format	Color
Hex	82AF9F
RGB	130, 175, 159
RGB Percent	51%, 69%, 62%
CMY	0.4900, 0.3138, 0.3764
CMYK	0.26, 0.00, 0.09, 0.31
HSL	159°, 22%, 60%
HSV	159°, 26%, 69%
XYZ	30.8011, 37.9090, 38.4986
YIQ	159.7210, -21.6840, -14.5160

Conversions

Conversions Part 2

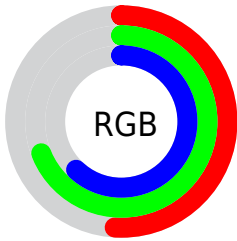
Format	Color
RYB	130, 157, 175
Decimal	8564639
CIELab	67.95, -18.43, 3.32
CIELCh	68, 18.730, 169.781
Yxy	37.9090, 0.2873, 0.3536
Android (android.graphics.Color)	4286754719 (0xFF82AF9F)
YUV	159.7210, -0.3555, -26.0653
Hunter-Lab	61.5703, -18.4518, 6.0264

Details

The Yxy color **37.9090, 0.2873, 0.3536** is a light color, and the websafe version is hex **669999**. A complement of this color would be **27.1705, 0.3473, 0.3058**, and the grayscale version is **35.0339, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.1972, 0.2921, 0.3487**, and **16.6640, 0.2785, 0.3601** is the 20% darker color. If you saturate the color by 10%, you get **36.4309, 0.2785, 0.3648**, and if you desaturate by 10%, it is **39.6364, 0.2968, 0.3433**.

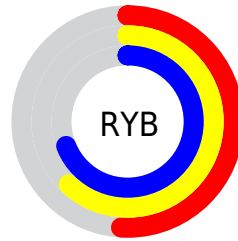
Distribution



Red (51%)

Green (69%)

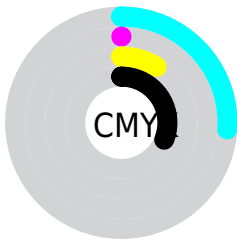
Blue (62%)



Red (51%)

Yellow (62%)

Blue (69%)

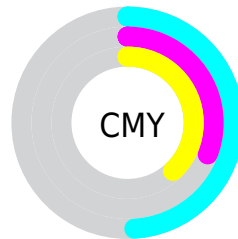


Cyan (26%)

Magenta (0%)

Yellow (9%)

Black (31%)



Cyan (49%)


Magenta (31%)


Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.9090, 0.2873, 0.3536 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 37.9090, 0.2873, 0.3536 by changing the saturation by 10% instead.


 37.9090, 0.2873,
0.3536


 37.9090, 0.2873,
0.3536


337.2294, 0.3005,
0.3407


 25.9121, 0.2838,
0.3570


 71.9686, 0.2922,
0.3488

 16.7579, 0.2792,
0.3616


 94.8001, 0.2940,
0.3470

 10.0620, 0.2729,
0.3679


 122.0119, 0.2956,
0.3455

 5.4401, 0.2637,
0.3772

153.9885, 0.2969,
0.3443

 2.5077, 0.2490,
0.3924

191.1141, 0.2980,
0.3432

 0.8805, 0.1941,
0.4416

233.7732, 0.2989,

 0.0000, 0.0000,

0.3422

0.0000

282.3502, 0.2998,
0.3414

■ 37.9090, 0.2873,
0.3536

■ 37.9090, 0.2873,
0.3536

■ 36.4309, 0.2785,
0.3648

■ 39.6364, 0.2968,
0.3433

■ 35.1855, 0.2709,
0.3769

■ 41.6198, 0.3069,
0.3339

■ 34.1612, 0.2646,
0.3897

■ 43.8711, 0.3172,
0.3255

■ 33.3435, 0.2599,
0.4029

■ 46.4003, 0.3276,
0.3179

■ 32.7163, 0.2571,
0.4165

■ 49.2168, 0.3379,
0.3113

■ 32.2609, 0.2563,
0.4301

■ 52.3295, 0.3479,
0.3054

■ 31.9533, 0.2574,
0.4435

■ 55.7470, 0.3577,
0.3003

■ 31.8432, 0.2581,
0.4493

■ 56.5101, 0.3543,
0.2942

■ 56.8241, 0.3489,
0.2880

Harmonies

Analogous

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



37.9090, 0.3142, 0.3731



37.9090, 0.2873, 0.3536



37.9090, 0.2677, 0.3272

Triad

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



37.9090, 0.2873, 0.3536



37.9090, 0.2830, 0.2826



37.9090, 0.3686, 0.3514

Complementary

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



37.9090, 0.2873, 0.3536



27.1705, 0.3473, 0.3058

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.



37.9090, 0.3596, 0.3281



37.9090, 0.2873, 0.3536



37.9090, 0.3092, 0.2896

Square

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



37.9090, 0.2873, 0.3536



37.9090, 0.2653, 0.2870



37.9090, 0.3375, 0.3059



37.9090, 0.3617, 0.3703

Rectangle

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



37.9090, 0.2873, 0.3536



37.9090, 0.2610, 0.3102



37.9090, 0.3375, 0.3059



37.9090, 0.3673, 0.3438

Sweetspot

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



37.9106, 0.2873, 0.3536



73.6295, 0.3044, 0.3361



38.4299, 0.3240, 0.3976



16.2448, 0.3029, 0.3375



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



37.9106, 0.2873, 0.3536



66.2991, 0.2821, 0.3601



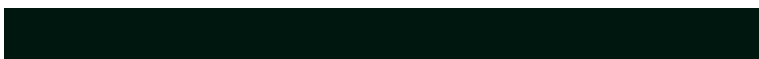
36.2213, 0.2749, 0.3198



9.0230, 0.3032, 0.3372



22.8185, 0.2577, 0.4478



0.6447, 0.2465, 0.4073

Inverse Universe

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



27.1705, 0.3473, 0.3058



43.6617, 0.3579, 0.3002



28.3486, 0.3639, 0.3380



8.0607, 0.3233, 0.3210



6.7886, 0.5515, 0.2812



0.1995, 0.4679, 0.2351

Previews

White Background



This preview shows how the Yxy color 37.9090, 0.2873, 0.3536 looks on a white background.

Color Contrast Check

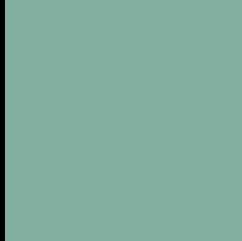
Large Text (above 18pt) WCAG AA × Fail

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 37.9090, 0.2873, 0.3536 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

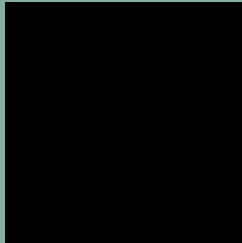
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.9090, 0.2873, 0.3536

Background



This preview shows how black text looks on a background with the Yxy color 37.9090, 0.2873, 0.3536.



This preview shows how white text looks on a background with the Yxy color 37.9090, 0.2873, 0.3536.

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

37.9090, 0.2873, 0.3536

Protanopia

37.5088, 0.3292, 0.3447

Deuteranopia

37.6953, 0.3323, 0.3263



Tritanopia

37.7795, 0.2719, 0.3083

Trichromacy



Original Color

37.9090, 0.2873, 0.3536

Protanomaly

37.4397, 0.3127, 0.3482

Deuteranomaly

37.2700, 0.3143, 0.3348

Tritanomaly

37.6262, 0.2769, 0.3229

Monochromacy



Original Color

37.9090, 0.2873, 0.3536

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

35.8379, 0.3023, 0.3365

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.9090, 0.2873, 0.3536 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(130, 175, 159)` looks like.

```
.text, #text, p{  
    color:rgb(130, 175, 159)  
}
```

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(130, 175, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 175, 159) }
```

Border

The CSS property to change the border of an element to Yxy 37.9090, 0.2873, 0.3536 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(130, 175, 159) }
```

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

```
.border{ border-color:rgb(130, 175, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 175, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 175, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 175, 159);  
box-shadow:4px 4px 4px 4px rgb(130, 175,  
159) }
```


Background

The CSS property to change the background color of an element to Yxy 37.9090, 0.2873, 0.3536 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 175, 159) }
```

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

```
.background{ background-color: rgb(130,  
175, 159) }
```

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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