

Converting Colors

$Yxy(37.5183, 0.2631, 0.3360)$

Have a look what the booklet for
Yxy(37.5183, 0.2631, 0.3360)
contains.

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Color

Yxy(37.6740, 0.2634, 0.3367)

Conversions

Conversions Part 1

Format	Color
Hex	6DB1AC
RGB	109, 177, 172
RGB Percent	43%, 69%, 67%
CMY	0.5726, 0.3059, 0.3255
CMYK	0.38, 0.00, 0.03, 0.31
HSL	176°, 30%, 56%
HSV	176°, 38%, 69%
XYZ	29.4723, 37.6740, 44.7456
YIQ	156.0980, -38.9230, -15.9710

Conversions

Conversions Part 2

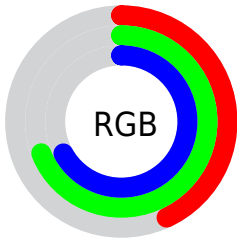
Format	Color
RYB	109, 144, 177
Decimal	7188908
CIELab	67.78, -22.69, -4.25
CIElCh	68, 23.088, 190.598
Yxy	37.6740, 0.2634, 0.3367
Android (android.graphics.Color)	4285378988 (0xFF6DB1AC)
YUV	156.0980, 7.8397, -41.3049
Hunter-Lab	61.3791, -21.7035, -0.2572

Details

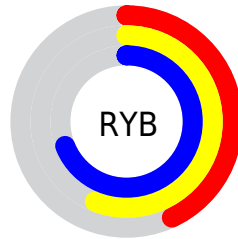
The Yxy color **37.6740, 0.2634, 0.3367** is a light color, and the websafe version is hex **669999**. A complement of this color would be **21.4948, 0.3988, 0.3218**, and the grayscale version is **33.2672, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.7164, 0.2732, 0.3360**, and **16.5836, 0.2480, 0.3379** is the 20% darker color. If you saturate the color by 10%, you get **36.6141, 0.2536, 0.3390**, and if you desaturate by 10%, it is **38.9634, 0.2747, 0.3345**.

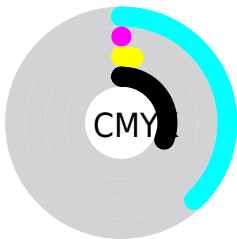
Distribution



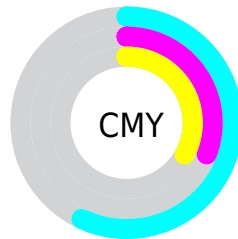
- Red (43%)
- Green (69%)
- Blue (67%)



- Red (43%)
- Yellow (56%)
- Blue (69%)



- Cyan (38%)
- Magenta (0%)
- Yellow (3%)
- Black (31%)





- Cyan (57%)
- Magenta (31%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.6740, 0.2634, 0.3367 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 37.6740, 0.2634, 0.3367 by changing the saturation by 10% instead.


 37.6740, 0.2634,
0.3367


 37.6740, 0.2634,
0.3367


336.2194, 0.2887,
0.3331


 25.7298, 0.2569,
0.3375


 71.6082, 0.2727,
0.3354

 16.6216, 0.2485,
0.3385


 94.3669, 0.2762,
0.3349

 9.9651, 0.2371,
0.3398


 121.4993, 0.2791,
0.3345

 5.3758, 0.2208,
0.3413

 153.3897, 0.2816,
0.3341

 2.4694, 0.1960,
0.3429

190.4225, 0.2837,
0.3338

 0.8613, 0.1109,
0.3609

232.9822, 0.2856,

 0.0000, 0.0000,

0.3335

0.0000

281.4530, 0.2872,
0.3333

■ 37.6740, 0.2634,
0.3367

■ 37.6740, 0.2634,
0.3367

■ 36.6141, 0.2536,
0.3390

■ 38.9634, 0.2747,
0.3345

■ 35.7656, 0.2455,
0.3414

■ 40.4904, 0.2873,
0.3324

■ 35.1148, 0.2392,
0.3439


■ 42.2679, 0.3008,
0.3305

■ 34.6447, 0.2348,
0.3463

■ 44.3070, 0.3150,
0.3287

■ 34.3351, 0.2322,
0.3488

■ 46.6177, 0.3296,
0.3272


 34.1519, 0.2311,
0.3512

 49.2098, 0.3443,
0.3257

 34.1266, 0.2310,
0.3516

 52.0924, 0.3591,
0.3245

 55.2742, 0.3736,
0.3234

 56.1569, 0.3762,
0.3221

Harmonies

Analogous

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



37.6740, 0.2907, 0.3686



37.6740, 0.2634, 0.3367



37.6740, 0.2493, 0.3045

Triad

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



37.6740, 0.2634, 0.3367



37.6740, 0.2976, 0.2771



37.6740, 0.3778, 0.3732

Complementary

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



37.6740, 0.2634, 0.3367



21.4948, 0.3988, 0.3218

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.



37.6740, 0.3806, 0.3474



37.6740, 0.2634, 0.3367



37.6740, 0.3328, 0.2937

Square

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



37.6740, 0.2634, 0.3367



37.6740, 0.2681, 0.2724



37.6740, 0.3638, 0.3188



37.6740, 0.3570, 0.3892

Rectangle

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



37.6740, 0.2634, 0.3367



37.6740, 0.2487, 0.2879



37.6740, 0.3638, 0.3188



37.6740, 0.3810, 0.3653

Sweetspot

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



37.6755, 0.2634, 0.3367



74.4388, 0.2956, 0.3312



36.1718, 0.3119, 0.4423



16.0445, 0.2939, 0.3314



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.



37.6755, 0.2634, 0.3367



65.8547, 0.2551, 0.3386



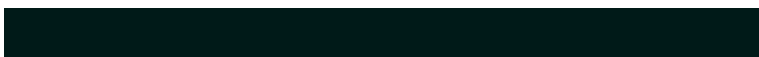
27.8122, 0.2534, 0.2826



9.6205, 0.2995, 0.3307



24.7273, 0.2309, 0.3513



0.7812, 0.2290, 0.3445

Inverse Universe

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



21.4948, 0.3988, 0.3218



32.7961, 0.4281, 0.3204



28.4348, 0.3897, 0.3708



8.5151, 0.3276, 0.3274



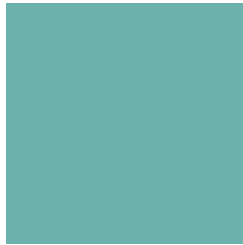
6.7971, 0.6304, 0.3246



0.2172, 0.5930, 0.3040

Previews

White Background



This preview shows how the Yxy color 37.6740, 0.2634, 0.3367 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 37.6740, 0.2634, 0.3367 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

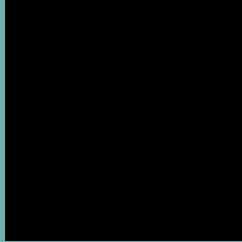
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.6740, 0.2634, 0.3367

Background



This preview shows how black text looks on a background with the Yxy color 37.6740, 0.2634, 0.3367.

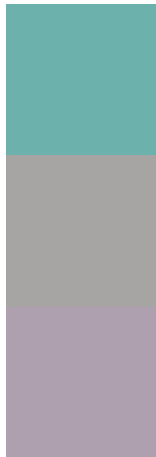


This preview shows how white text looks on a background with the Yxy color 37.6740, 0.2634, 0.3367.

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

37.6740, 0.2634, 0.3367

Protanopia

37.4467, 0.3155, 0.3290

Deuteranopia

37.3902, 0.3128, 0.3071



Tritanopia

37.4569, 0.2545, 0.3062

Trichromacy



Original Color

37.6740, 0.2634, 0.3367

Protanomaly

37.2769, 0.2940, 0.3319

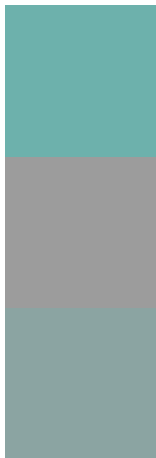
Deuteranomaly

36.9469, 0.2918, 0.3159

Tritanomaly

37.5236, 0.2579, 0.3166

Monochromacy



Original Color

37.6740, 0.2634, 0.3367

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

34.6485, 0.2917, 0.3320

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.6740, 0.2634, 0.3367 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(109, 177, 172)` looks like.

```
.text, #text, p{  
    color:rgb(109, 177, 172)  
}
```

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(109, 177, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 177, 172) }
```

Border

The CSS property to change the border of an element to Yxy 37.6740, 0.2634, 0.3367 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(109, 177, 172) }
```

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

```
.border{ border-color:rgb(109, 177, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 177, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 177, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 177, 172);  
box-shadow:4px 4px 4px 4px rgb(109, 177,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 37.6740, 0.2634, 0.3367 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 177, 172) }
```

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

```
.background{ background-color: rgb(109,  
177, 172) }
```

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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