

Converting Colors

$Yxy(37.3441, 0.2695, 0.3638)$

Have a look what the booklet for
Yxy(37.3441, 0.2695, 0.3638)
contains.

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Color

Yxy(37.5581, 0.2698, 0.3645)

Conversions

Conversions Part 1

Format	Color
Hex	67B39D
RGB	103, 179, 157
RGB Percent	40%, 70%, 62%
CMY	0.5960, 0.2980, 0.3843
CMYK	0.42, 0.00, 0.12, 0.30
HSL	163°, 33%, 55%
HSV	163°, 42%, 70%
XYZ	27.8002, 37.5581, 37.6817
YIQ	153.7680, -38.2340, -22.9540

Conversions

Conversions Part 2

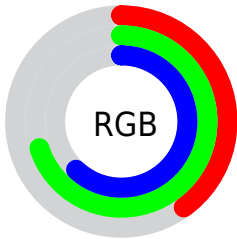
Format	Color
RYB	103, 147, 179
Decimal	6796189
CIELab	67.69, -28.85, 3.88
CIELCh	68, 29.109, 172.336
Yxy	37.5581, 0.2698, 0.3645
Android (android.graphics.Color)	4284986269 (0xFF67B39D)
YUV	153.7680, 1.5934, -44.5235
Hunter-Lab	61.2847, -26.2762, 6.4440

Details

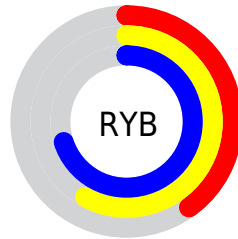
The Yxy color **37.5581, 0.2698, 0.3645** is a dark color, and the websafe version is hex **66CCCC**. A complement of this color would be **20.7681, 0.3884, 0.2971**, and the grayscale version is **32.2152, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.4392, 0.2781, 0.3567**, and **16.6153, 0.2564, 0.3760** is the 20% darker color. If you saturate the color by 10%, you get **36.4385, 0.2624, 0.3746**, and if you desaturate by 10%, it is **38.9148, 0.2785, 0.3550**.

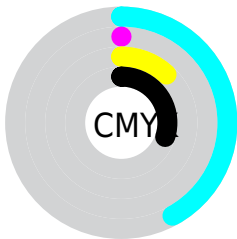
Distribution



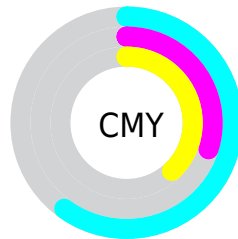
- Red (40%)
- Green (70%)
- Blue (62%)



- Red (40%)
- Yellow (58%)
- Blue (70%)



- Cyan (42%)
- Magenta (0%)
- Yellow (12%)
- Black (30%)





- Cyan (60%)
- Magenta (30%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.5581, 0.2698, 0.3645 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 37.5581, 0.2698, 0.3645 by changing the saturation by 10% instead.


 37.5581, 0.2698,
0.3645


 37.5581, 0.2698,
0.3645


335.7205, 0.2921,
0.3458


 25.6399, 0.2639,
0.3695


 71.4303, 0.2781,
0.3575

 16.5544, 0.2562,
0.3761


 94.1531, 0.2812,
0.3549

 9.9173, 0.2457,
0.3854


 121.2462, 0.2837,
0.3528

 5.3442, 0.2303,
0.3990

 153.0941, 0.2859,
0.3509

 2.4506, 0.2060,
0.4212

190.0810, 0.2878,
0.3494

 0.8517, 0.0653,
0.5280

232.5915, 0.2894,

 0.0000, 0.0000,

0.3480

0.0000

281.0099, 0.2909,
0.3468

■ 37.5581, 0.2698,
0.3645

■ 37.5581, 0.2698,
0.3645

■ 36.4385, 0.2624,
0.3746

■ 38.9148, 0.2785,
0.3550

■ 35.5369, 0.2567,
0.3851

■ 40.5174, 0.2883,
0.3462

■ 34.8383, 0.2527,
0.3958

■ 42.3800, 0.2989,
0.3381

■ 34.3239, 0.2508,
0.4067


■ 44.5139, 0.3100,
0.3307


■ 33.9715, 0.2507,
0.4176


■ 46.9300, 0.3213,
0.3241

 33.7778, 0.2516,
0.4257

 49.6385, 0.3327,
0.3182

 52.6492, 0.3440,
0.3129

 55.9712, 0.3550,
0.3083

 57.8436, 0.3580,
0.3036

Harmonies

Analogous

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



37.5581, 0.3102, 0.3979



37.5581, 0.2698, 0.3645



37.5581, 0.2420, 0.3213

Triad

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



37.5581, 0.2698, 0.3645



37.5581, 0.2696, 0.2591



37.5581, 0.4002, 0.3644

Complementary

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



37.5581, 0.2698, 0.3645



20.7681, 0.3884, 0.2971

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.



37.5581, 0.3884, 0.3293



37.5581, 0.2698, 0.3645



37.5581, 0.3104, 0.2712

Square

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



37.5581, 0.2698, 0.3645



37.5581, 0.2421, 0.2631



37.5581, 0.3546, 0.2962



37.5581, 0.3865, 0.3938

Rectangle

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



37.5581, 0.2698, 0.3645



37.5581, 0.2334, 0.2953



37.5581, 0.3546, 0.2962



37.5581, 0.3991, 0.3529

Sweetspot

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



37.5596, 0.2698, 0.3645



75.6264, 0.2981, 0.3387



37.6417, 0.3253, 0.4510



16.5858, 0.2957, 0.3404



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



37.5596, 0.2698, 0.3645



65.3662, 0.2628, 0.3740



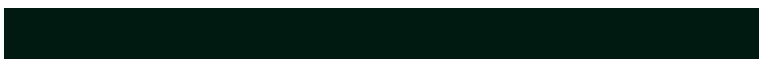
32.6199, 0.2518, 0.3045



9.5888, 0.3023, 0.3357



23.8801, 0.2512, 0.4244



0.7609, 0.2429, 0.3945

Inverse Universe

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



20.7681, 0.3884, 0.2971



31.2694, 0.4148, 0.2907



23.5700, 0.4108, 0.3515



8.5444, 0.3243, 0.3224



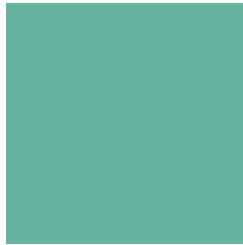
6.9564, 0.5763, 0.2949



0.2293, 0.4957, 0.2505

Previews

White Background



This preview shows how the Yxy color 37.5581, 0.2698, 0.3645 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 37.5581, 0.2698, 0.3645 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

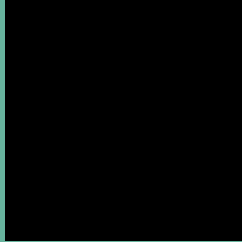
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.5581, 0.2698, 0.3645

Background



This preview shows how black text looks on a background with the Yxy color 37.5581, 0.2698, 0.3645.



This preview shows how white text looks on a background with the Yxy color 37.5581, 0.2698, 0.3645.

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

37.5581, 0.2698, 0.3645

Protanopia

37.0222, 0.3330, 0.3491

Deuteranopia

37.1932, 0.3324, 0.3263



Tritanopia

37.3257, 0.2532, 0.3061

Trichromacy



Original Color

37.5581, 0.2698, 0.3645

Protanomaly

36.7539, 0.3061, 0.3548

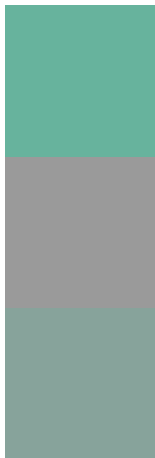
Deuteranomaly

36.5828, 0.3059, 0.3379

Tritanomaly

37.4131, 0.2593, 0.3273

Monochromacy



Original Color

37.5581, 0.2698, 0.3645

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

33.7118, 0.2939, 0.3415

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.5581, 0.2698, 0.3645 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(103, 179, 157)` looks like.

```
.text, #text, p{  
    color:rgb(103, 179, 157)  
}
```

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(103, 179, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 179, 157) }
```

Border

The CSS property to change the border of an element to Yxy 37.5581, 0.2698, 0.3645 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(103, 179, 157) }
```

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

```
.border{ border-color:rgb(103, 179, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 179, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 179, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 179, 157);  
box-shadow:4px 4px 4px 4px rgb(103, 179,  
157) }
```


Background

The CSS property to change the background color of an element to Yxy 37.5581, 0.2698, 0.3645 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 179, 157) }
```

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

```
.background{ background-color: rgb(103,  
179, 157) }
```

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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