

Converting Colors

$Yxy(38.1415, 0.2696, 0.3461)$

Have a look what the booklet for
Yxy(38.1415, 0.2696, 0.3461)
contains.

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Color

Yxy(38.1415, 0.2696, 0.3461)

Conversions

Conversions Part 1

Format	Color
Hex	71B2A7
RGB	113, 178, 167
RGB Percent	44%, 70%, 65%
CMY	0.5566, 0.3020, 0.3451
CMYK	0.36, 0.00, 0.06, 0.30
HSL	170°, 30%, 57%
HSV	170°, 36%, 70%
XYZ	29.7109, 38.1415, 42.3513
YIQ	157.3110, -35.2090, -17.2010

Conversions

Conversions Part 2

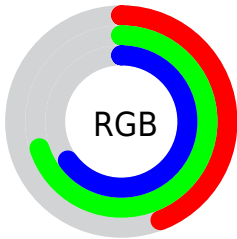
Format	Color
RYB	113, 149, 178
Decimal	7451303
CIELab	68.12, -23.27, -0.95
CIELCh	68, 23.291, 182.338
Yxy	38.1415, 0.2696, 0.3461
Android (android.graphics.Color)	4285641383 (0xFF71B2A7)
YUV	157.3110, 4.7767, -38.8607
Hunter-Lab	61.7588, -22.2052, 2.5729

Details

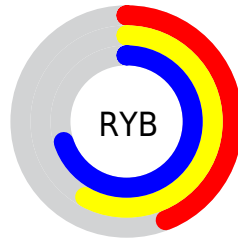
The Yxy color **38.1415, 0.2696, 0.3461** is a light color, and the websafe version is hex **669999**. A complement of this color would be **22.7460, 0.3841, 0.3130**, and the grayscale version is **33.8609, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.3351, 0.2776, 0.3430**, and **16.8657, 0.2562, 0.3515** is the 20% darker color. If you saturate the color by 10%, you get **36.9649, 0.2603, 0.3516**, and if you desaturate by 10%, it is **39.5553, 0.2802, 0.3409**.

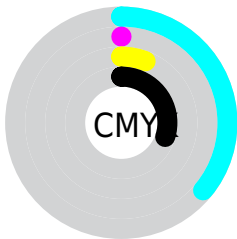
Distribution



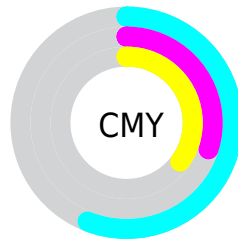
- Red (44%)
- Green (70%)
- Blue (65%)



- Red (44%)
- Yellow (58%)
- Blue (70%)



- Cyan (36%)
- Magenta (0%)
- Yellow (6%)
- Black (30%)





- Cyan (56%)
- Magenta (30%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.1415, 0.2696, 0.3461 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 38.1415, 0.2696, 0.3461 by changing the saturation by 10% instead.

 38.1415, 0.2696,
0.3461


 38.1415, 0.2696,
0.3461


338.2266, 0.2918,
0.3374

 26.0925, 0.2639,
0.3483


 72.3250, 0.2778,
0.3429

 16.8929, 0.2564,
0.3512


 95.2283, 0.2808,
0.3417

 10.1581, 0.2463,
0.3551


 122.5184, 0.2834,
0.3407

 5.5039, 0.2317,
0.3607

154.5799, 0.2856,
0.3398

 2.5459, 0.2093,
0.3691

191.7971, 0.2874,
0.3391

 0.8995, 0.1284,
0.4026

234.5543, 0.2891,

 0.0000, 0.0000,

0.3385

0.0000

283.2360, 0.2905,
0.3379

■ 38.1415, 0.2696,
0.3461

■ 38.1415, 0.2696,
0.3461

■ 36.9649, 0.2603,
0.3516

■ 39.5553, 0.2802,
0.3409

■ 36.0073, 0.2525,
0.3573

■ 41.2143, 0.2919,
0.3361

■ 35.2553, 0.2466,
0.3633

■ 43.1316, 0.3044,
0.3317

■ 34.6919, 0.2425,
0.3693


■ 45.3180, 0.3173,
0.3276

■ 34.2974, 0.2403,
0.3753

■ 47.7838, 0.3305,
0.3240


 34.0454, 0.2398,
0.3813

 50.5388, 0.3438,
0.3208

 33.9711, 0.2398,
0.3834

 53.5920, 0.3569,
0.3180

 56.8650, 0.3693,
0.3154

 56.9993, 0.3666,
0.3123

Harmonies

Analogous

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



38.1415, 0.2997, 0.3759



38.1415, 0.2696, 0.3461



38.1415, 0.2514, 0.3127

Triad

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



38.1415, 0.2696, 0.3461



38.1415, 0.2884, 0.2742



38.1415, 0.3809, 0.3669

Complementary

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



38.1415, 0.2696, 0.3461



22.7460, 0.3841, 0.3130

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.



38.1415, 0.3781, 0.3395



38.1415, 0.2696, 0.3461



38.1415, 0.3231, 0.2879

Square

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



38.1415, 0.2696, 0.3461



38.1415, 0.2618, 0.2733



38.1415, 0.3565, 0.3112



38.1415, 0.3645, 0.3865

Rectangle

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



38.1415, 0.2696, 0.3461



38.1415, 0.2478, 0.2939



38.1415, 0.3565, 0.3112



38.1415, 0.3822, 0.3583

Sweetspot

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



38.1430, 0.2696, 0.3461



76.5246, 0.2984, 0.3337



37.3896, 0.3175, 0.4339



16.8517, 0.2968, 0.3343



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.



38.1430, 0.2696, 0.3461



67.3766, 0.2618, 0.3506



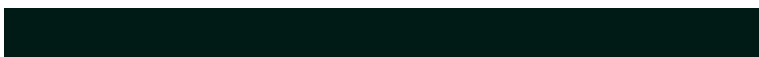
30.9899, 0.2579, 0.2961



9.6063, 0.3008, 0.3329



24.3168, 0.2396, 0.3827



0.7716, 0.2350, 0.3660

Inverse Universe

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



22.7460, 0.3841, 0.3130



35.2300, 0.4090, 0.3095



27.6050, 0.3881, 0.3593



8.5280, 0.3261, 0.3252



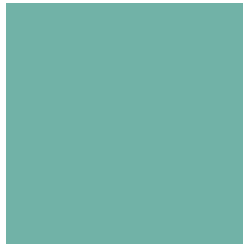
6.8465, 0.6122, 0.3146



0.2226, 0.5438, 0.2770

Previews

White Background



This preview shows how the Yxy color 38.1415, 0.2696, 0.3461 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 38.1415, 0.2696, 0.3461 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

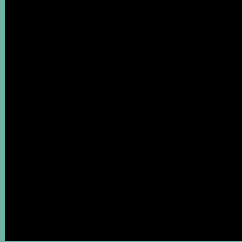
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.1415, 0.2696, 0.3461

Background



This preview shows how black text looks on a background with the Yxy color 38.1415, 0.2696, 0.3461.

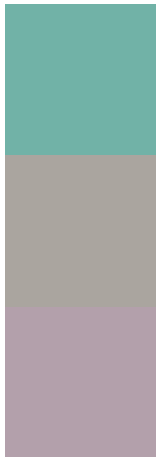


This preview shows how white text looks on a background with the Yxy color 38.1415, 0.2696, 0.3461.

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

38.1415, 0.2696, 0.3461

Protanopia

37.9595, 0.3227, 0.3375

Deuteranopia

37.6656, 0.3211, 0.3140



Tritanopia

38.1856, 0.2580, 0.3079

Trichromacy



Original Color

38.1415, 0.2696, 0.3461

Protanomaly

37.7476, 0.3006, 0.3408

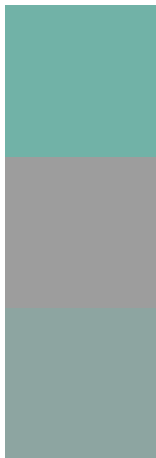
Deuteranomaly

37.5083, 0.2994, 0.3246

Tritanomaly

38.0999, 0.2620, 0.3212

Monochromacy



Original Color

38.1415, 0.2696, 0.3461

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

35.1462, 0.2943, 0.3351

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.1415, 0.2696, 0.3461 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(113, 178, 167)` looks like.

```
.text, #text, p{  
    color:rgb(113, 178, 167)  
}
```

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(113, 178, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 178, 167) }
```

Border

The CSS property to change the border of an element to Yxy 38.1415, 0.2696, 0.3461 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(113, 178, 167) }
```

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

```
.border{ border-color:rgb(113, 178, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 178, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 178, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 178, 167);  
box-shadow:4px 4px 4px 4px rgb(113, 178,  
167) }
```


Background

The CSS property to change the background color of an element to Yxy 38.1415, 0.2696, 0.3461 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 178, 167) }
```

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

```
.background{ background-color: rgb(113,  
178, 167) }
```

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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