

Converting Colors

$Y_{xy}(38.6218, 0.2760, 0.3637)$

Have a look what the booklet for
Yxy(38.6218, 0.2760, 0.3637)
contains.

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Color

Yxy(38.6218, 0.2760, 0.3637)

Conversions

Conversions Part 1

Format	Color
Hex	71B49E
RGB	113, 180, 158
RGB Percent	44%, 71%, 62%
CMY	0.5566, 0.2941, 0.3804
CMYK	0.37, 0.00, 0.12, 0.29
HSL	160°, 31%, 57%
HSV	160°, 37%, 71%
XYZ	29.3088, 38.6218, 38.2607
YIQ	157.4590, -32.8700, -21.0460

Conversions

Conversions Part 2

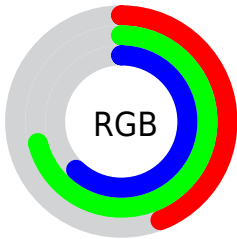
Format	Color
RYB	113, 153, 180
Decimal	7451806
CIELab	68.48, -26.32, 4.52
CIElCh	68, 26.709, 170.265
Yxy	38.6218, 0.2760, 0.3637
Android (android.graphics.Color)	4285641886 (0xFF71B49E)
YUV	157.4590, 0.2667, -38.9905
Hunter-Lab	62.1464, -24.5741, 7.0003

Details

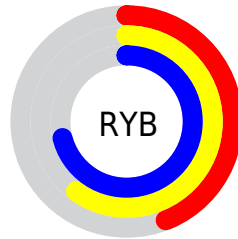
The Yxy color **38.6218, 0.2760, 0.3637** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **23.2767, 0.3718, 0.2973**, and the grayscale version is **33.9510, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.0105, 0.2827, 0.3562**, and **17.2324, 0.2645, 0.3747** is the 20% darker color. If you saturate the color by 10%, you get **37.3461, 0.2682, 0.3749**, and if you desaturate by 10%, it is **40.1473, 0.2849, 0.3532**.

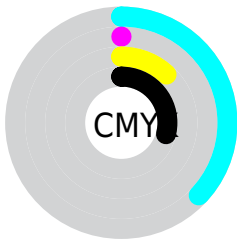
Distribution



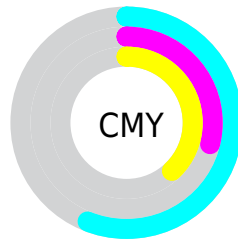
- Red (44%)
- Green (71%)
- Blue (62%)



- Red (44%)
- Yellow (60%)
- Blue (71%)



- Cyan (37%)
- Magenta (0%)
- Yellow (12%)
- Black (29%)





- Cyan (56%)
- Magenta (29%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.6218, 0.2760, 0.3637 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 38.6218, 0.2760, 0.3637 by changing the saturation by 10% instead.


 38.6218, 0.2760,
0.3637


 38.6218, 0.2760,
0.3637

340.2799, 0.2951,
0.3455

 26.4656, 0.2710,
0.3686


 73.0602, 0.2831,
0.3568

 17.1723, 0.2644,
0.3750


 96.1112, 0.2857,
0.3543

 10.3574, 0.2554,
0.3840


 123.5627, 0.2879,
0.3523

 5.6366, 0.2424,
0.3972

155.7989, 0.2898,
0.3505

 2.6254, 0.2217,
0.4187

193.2044, 0.2914,
0.3490

 0.9394, 0.1316,
0.4958

236.1634, 0.2928,

 0.0000, 0.0000,

0.3476

0.0000

285.0604, 0.2940,
0.3465

■ 38.6218, 0.2760,
0.3637

■ 38.6218, 0.2760,
0.3637

■ 37.3461, 0.2682,
0.3749

■ 40.1473, 0.2849,
0.3532

■ 36.3012, 0.2619,
0.3867

■ 41.9308, 0.2947,
0.3436

■ 35.4730, 0.2573,
0.3990


■ 43.9861, 0.3051,
0.3348

■ 34.8438, 0.2547,
0.4115


■ 46.3244, 0.3157,
0.3269


■ 34.3930, 0.2539,
0.4240


■ 48.9565, 0.3266,
0.3198


 34.0909, 0.2551,
0.4363

 51.8925, 0.3373,
0.3135

 34.0171, 0.2555,
0.4398

 55.1419, 0.3479,
0.3079

 58.3223, 0.3564,
0.3029

 58.6138, 0.3513,
0.2969

Harmonies

Analogous

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



38.6218, 0.3134, 0.3925



38.6218, 0.2760, 0.3637



38.6218, 0.2494, 0.3250

Triad

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



38.6218, 0.2760, 0.3637



38.6218, 0.2713, 0.2647



38.6218, 0.3922, 0.3596

Complementary

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



38.6218, 0.2760, 0.3637



23.2767, 0.3718, 0.2973

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.



38.6218, 0.3799, 0.3274



38.6218, 0.2760, 0.3637



38.6218, 0.3079, 0.2748

Square

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



38.6218, 0.2760, 0.3637



38.6218, 0.2469, 0.2697



38.6218, 0.3482, 0.2972



38.6218, 0.3815, 0.3868

Rectangle

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



38.6218, 0.2760, 0.3637



38.6218, 0.2406, 0.3009



38.6218, 0.3482, 0.2972



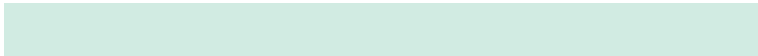
38.6218, 0.3906, 0.3491

Sweetspot

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



38.6234, 0.2760, 0.3637



78.2109, 0.3009, 0.3382



39.0151, 0.3262, 0.4335



16.7967, 0.2995, 0.3394



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.



38.6234, 0.2760, 0.3637



68.0239, 0.2693, 0.3733



35.1253, 0.2591, 0.3115



9.5831, 0.3028, 0.3366



23.7566, 0.2551, 0.4383



0.7577, 0.2456, 0.4040

Inverse Universe

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



23.2767, 0.3718, 0.2973



35.9723, 0.3924, 0.2901



25.3655, 0.3956, 0.3455



8.5498, 0.3237, 0.3215



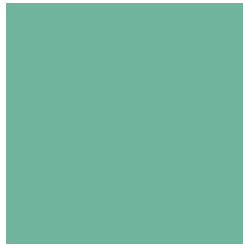
7.0048, 0.5623, 0.2871



0.2314, 0.4826, 0.2432

Previews

White Background



This preview shows how the Yxy color 38.6218, 0.2760, 0.3637 looks on a white background.

Color Contrast Check

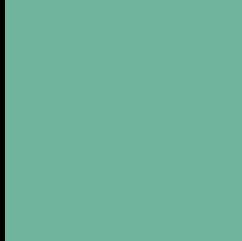
Large Text (above 18pt) WCAG AA × Fail

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 38.6218, 0.2760, 0.3637 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

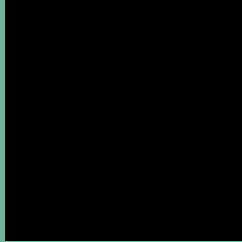
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.6218, 0.2760, 0.3637

Background



This preview shows how black text looks on a background with the Yxy color 38.6218, 0.2760, 0.3637.

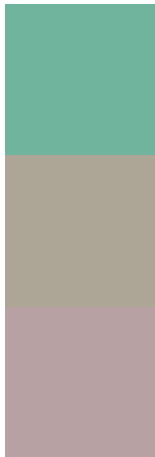


This preview shows how white text looks on a background with the Yxy color 38.6218, 0.2760, 0.3637.

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

38.6218, 0.2760, 0.3637

Protanopia

38.3587, 0.3335, 0.3517

Deuteranopia

38.2887, 0.3341, 0.3277



Tritanopia

38.4426, 0.2593, 0.3066

Trichromacy



Original Color

38.6218, 0.2760, 0.3637

Protanomaly

38.0050, 0.3097, 0.3558

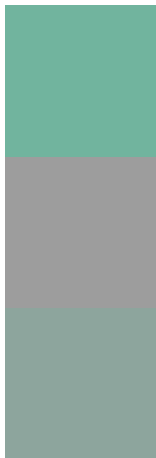
Deuteranomaly

37.8476, 0.3095, 0.3392

Tritanomaly

38.5102, 0.2655, 0.3273

Monochromacy



Original Color

38.6218, 0.2760, 0.3637

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

35.0073, 0.2976, 0.3413

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.6218, 0.2760, 0.3637 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, 180, 158)` looks like.

```
.text, #text, p{  
    color:rgb(113, 180, 158)  
}
```

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, 180, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 180, 158) }
```

Border

The CSS property to change the border of an element to Yxy 38.6218, 0.2760, 0.3637 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, 180, 158) }
```

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

```
.border{ border-color:rgb(113, 180, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 180, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 180, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 180, 158);  
box-shadow:4px 4px 4px 4px rgb(113, 180,  
158) }
```


Background

The CSS property to change the background color of an element to Yxy 38.6218, 0.2760, 0.3637 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 180, 158) }
```

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

```
.background{ background-color: rgb(113,  
180, 158) }
```

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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