

Converting Colors

$Yxy(38.6337, 0.2639, 0.4109)$

Have a look what the booklet for
Yxy(38.6337, 0.2639, 0.4109)
contains.

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Color

Yxy(38.6337, 0.2639, 0.4109)

Conversions

Conversions Part 1

Format	Color
Hex	44BB8B
RGB	68, 187, 139
RGB Percent	27%, 73%, 55%
CMY	0.7335, 0.2666, 0.4549
CMYK	0.64, 0.00, 0.26, 0.27
HSL	156°, 47%, 50%
HSV	156°, 64%, 73%
XYZ	24.8124, 38.6337, 30.5760
YIQ	145.9470, -55.5160, -40.1560

Conversions

Conversions Part 2

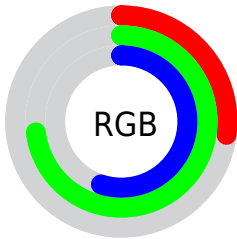
Format	Color
RYB	68, 143, 187
Decimal	4504459
CIELab	68.49, -44.60, 14.69
CIELCh	68, 46.962, 161.766
Yxy	38.6337, 0.2639, 0.4109
Android (android.graphics.Color)	4282694539 (0xFF44BB8B)
YUV	145.9470, -3.4249, -68.3595
Hunter-Lab	62.1560, -37.5165, 14.3431

Details

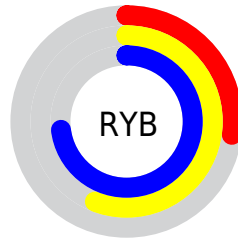
The Yxy color **38.6337, 0.2639, 0.4109** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **15.9556, 0.4292, 0.2664**, and the grayscale version is **28.7498, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.1408, 0.2737, 0.3934**, and **17.4963, 0.2549, 0.4376** is the 20% darker color. If you saturate the color by 10%, you get **37.8542, 0.2612, 0.4265**, and if you desaturate by 10%, it is **39.6458, 0.2685, 0.3957**.

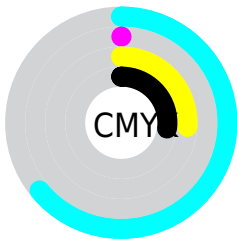
Distribution



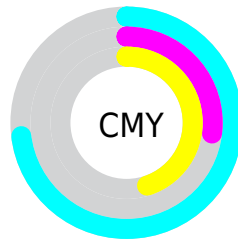
- Red (27%)
- Green (73%)
- Blue (55%)



- Red (27%)
- Yellow (56%)
- Blue (73%)



- Cyan (64%)
- Magenta (0%)
- Yellow (26%)
- Black (27%)




- Cyan (73%)
- Magenta (27%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.6337, 0.2639, 0.4109 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 38.6337, 0.2639, 0.4109 by changing the saturation by 10% instead.


 38.6337, 0.2639,
0.4109


 38.6337, 0.2639,
0.4109


340.3306, 0.2900,
0.3666


 26.4749, 0.2568,
0.4232


 73.0784, 0.2738,
0.3939


 17.1792, 0.2473,
0.4397


 96.1331, 0.2774,
0.3878


 10.3624, 0.2340,
0.4632


 123.5885, 0.2804,
0.3827

 5.6399, 0.2142,
0.4988

 155.8291, 0.2829,
0.3785

 2.6274, 0.1820,
0.5585

 193.2392, 0.2851,
0.3748

 0.9404, 0.0000,
1.0000

236.2032, 0.2869,

 0.0000, 0.0000,

0.3717

0.0000

285.1056, 0.2886,
0.3690

■ 38.6337, 0.2639,
0.4109

■ 38.6337, 0.2639,
0.4109

■ 37.8542, 0.2612,
0.4265

■ 39.6458, 0.2685,
0.3957

■ 37.2813, 0.2604,
0.4421

■ 40.9047, 0.2747,
0.3811

■ 36.8904, 0.2616,
0.4575

■ 42.4287, 0.2821,
0.3674

■ 36.7044, 0.2631,
0.4671

■ 44.2330, 0.2905,
0.3547

■ 46.3317, 0.2997,
0.3431

■ 48.7379, 0.3092,
0.3326

■ 51.4639, 0.3189,
0.3232

■ 54.5213, 0.3286,
0.3148

■ 57.9211, 0.3381,
0.3074

Harmonies

Analogous

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



38.6337, 0.3295, 0.4539



38.6337, 0.2639, 0.4109



38.6337, 0.2148, 0.3388

Triad

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



38.6337, 0.2639, 0.4109



38.6337, 0.2280, 0.2219



38.6337, 0.4505, 0.3598

Complementary

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



38.6337, 0.2639, 0.4109



15.9556, 0.4292, 0.2664

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.



38.6337, 0.4183, 0.3081



38.6337, 0.2639, 0.4109



38.6337, 0.2833, 0.2328

Square

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



38.6337, 0.2639, 0.4109



38.6337, 0.1969, 0.2344



38.6337, 0.3540, 0.2634



38.6337, 0.4397, 0.4109

Rectangle

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



38.6337, 0.2639, 0.4109



38.6337, 0.1965, 0.2930



38.6337, 0.3540, 0.2634



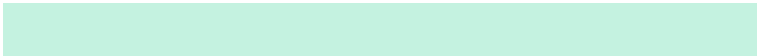
38.6337, 0.4445, 0.3423

Sweetspot

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



38.6352, 0.2639, 0.4109



80.7838, 0.2944, 0.3495



39.7815, 0.3372, 0.5115



17.5591, 0.2919, 0.3529



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



38.6352, 0.2639, 0.4109



67.3844, 0.2607, 0.4321



36.2941, 0.2336, 0.3129



10.7426, 0.3037, 0.3384



25.3023, 0.2626, 0.4652



1.0037, 0.2525, 0.4288

Inverse Universe

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



15.9556, 0.4292, 0.2664



23.6382, 0.4695, 0.2616



16.4147, 0.5051, 0.3418



9.5984, 0.3227, 0.3198



7.6466, 0.5336, 0.2713



0.3125, 0.4707, 0.2367

Previews

White Background



This preview shows how the Yxy color 38.6337, 0.2639, 0.4109 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 38.6337, 0.2639, 0.4109 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

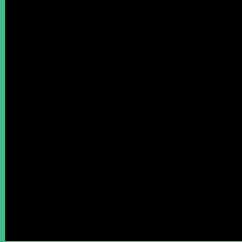
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.6337, 0.2639, 0.4109

Background



This preview shows how black text looks on a background with the Yxy color 38.6337, 0.2639, 0.4109.

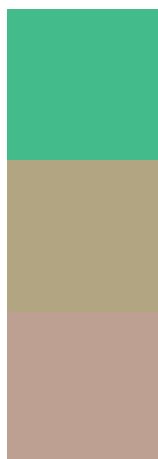


This preview shows how white text looks on a background with the Yxy color 38.6337, 0.2639, 0.4109.

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

38.6337, 0.2639, 0.4109

Protanopia

38.2045, 0.3566, 0.3813

Deuteranopia

38.0048, 0.3555, 0.3494



Tritanopia

38.6123, 0.2395, 0.3074

Trichromacy



Original Color

38.6337, 0.2639, 0.4109



Protanomaly

37.2839, 0.3132, 0.3933



Deuteranomaly

36.7524, 0.3126, 0.3705



Tritanomaly

38.6723, 0.2482, 0.3432

Monochromacy



Original Color

38.6337, 0.2639, 0.4109



Achromatopsia

28.7441, 0.3127, 0.3290



Achromatomaly

31.3245, 0.2887, 0.3592

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.6337, 0.2639, 0.4109 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(68, 187, 139)` looks like.

```
.text, #text, p{  
    color:rgb(68, 187, 139)  
}
```

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(68, 187, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 187, 139) }
```

Border

The CSS property to change the border of an element to Yxy 38.6337, 0.2639, 0.4109 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(68, 187, 139) }
```

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

```
.border{ border-color:rgb(68, 187, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 187, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 187, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 187, 139);  
box-shadow:4px 4px 4px 4px rgb(68, 187,  
139) }
```


Background

The CSS property to change the background color of an element to Yxy 38.6337, 0.2639, 0.4109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 187, 139) }
```

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

```
.background{ background-color: rgb(68, 187,  
139) }
```

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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