

Converting Colors

$Yxy(38.7467, 0.2718, 0.4255)$

Have a look what the booklet for
Yxy(38.7467, 0.2718, 0.4255)
contains.

Yxy(38.6352, 0.2715, 0.4248)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(38.6352, 0.2715, 0.4248)

Conversions

Conversions Part 1

Format	Color
Hex	4ABB83
RGB	74, 187, 131
RGB Percent	29%, 73%, 51%
CMY	0.7096, 0.2667, 0.4863
CMYK	0.60, 0.00, 0.30, 0.27
HSL	150°, 45%, 51%
HSV	150°, 60%, 73%
XYZ	24.6927, 38.6352, 27.6213
YIQ	146.8290, -49.3720, -41.3720

Conversions

Conversions Part 2

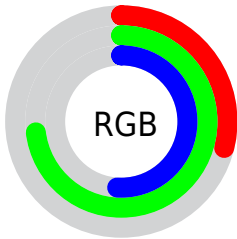
Format	Color
RYB	74, 149, 187
Decimal	4897667
CIELab	68.49, -45.12, 19.06
CIELCh	68, 48.983, 157.102
Yxy	38.6352, 0.2715, 0.4248
Android (android.graphics.Color)	4283087747 (0xFF4ABB83)
YUV	146.8290, -7.8037, -63.8710
Hunter-Lab	62.1572, -37.8639, 17.1629

Details

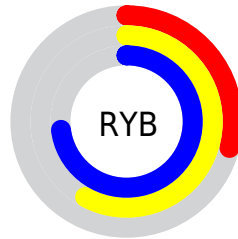
The Yxy color **38.6352, 0.2715, 0.4248** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **17.0826, 0.4022, 0.2547**, and the grayscale version is **29.1567, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.1486, 0.2806, 0.4050**, and **17.3691, 0.2608, 0.4588** is the 20% darker color. If you saturate the color by 10%, you get **37.7608, 0.2689, 0.4441**, and if you desaturate by 10%, it is **39.7559, 0.2758, 0.4060**.

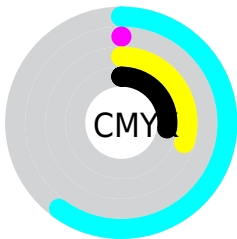
Distribution



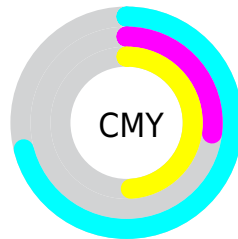
- Red (29%)
- Green (73%)
- Blue (51%)



- Red (29%)
- Yellow (58%)
- Blue (73%)



- Cyan (60%)
- Magenta (0%)
- Yellow (30%)
- Black (27%)





- Cyan (71%)
- Magenta (27%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.6352, 0.2715, 0.4248 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 38.6352, 0.2715, 0.4248 by changing the saturation by 10% instead.


 38.6352, 0.2715,
0.4248


 38.6352, 0.2715,
0.4248


340.3370, 0.2941,
0.3726


 26.4761, 0.2651,
0.4394


 73.0807, 0.2802,
0.4047

 17.1801, 0.2565,
0.4591


 96.1358, 0.2834,
0.3975

 10.3630, 0.2441,
0.4872


 123.5918, 0.2859,
0.3915

 5.6403, 0.2252,
0.5299

 155.8329, 0.2881,
0.3865

 2.6276, 0.1932,
0.6017

 193.2436, 0.2899,
0.3823

 0.9406, 0.0000,
1.0000

236.2082, 0.2915,

 0.0000, 0.0000,

0.3786

0.0000

285.1112, 0.2929,
0.3754

■ 38.6352, 0.2715,
0.4248

■ 38.6352, 0.2715,
0.4248

■ 37.7608, 0.2689,
0.4441

■ 39.7559, 0.2758,
0.4060

■ 37.1071, 0.2682,
0.4635

■ 41.1364, 0.2816,
0.3880

■ 36.6513, 0.2694,
0.4823

■ 42.7949, 0.2884,
0.3713

■ 36.3535, 0.2721,
0.4995

■ 44.7463, 0.2960,
0.3559

■ 47.0047, 0.3041,
0.3420

■ 49.5832, 0.3124,
0.3295

■ 52.4939, 0.3207,
0.3184

■ 55.7485, 0.3290,
0.3085

■ 59.3582, 0.3370,
0.2999

Harmonies

Analogous

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



38.6352, 0.3407, 0.4621



38.6352, 0.2715, 0.4248



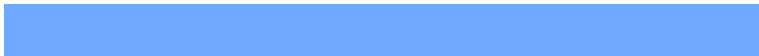
38.6352, 0.2171, 0.3510

Triad

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



38.6352, 0.2715, 0.4248



38.6352, 0.2180, 0.2183



38.6352, 0.4540, 0.3519

Complementary

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



38.6352, 0.2715, 0.4248



17.0826, 0.4022, 0.2547

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.



38.6352, 0.4141, 0.2992



38.6352, 0.2715, 0.4248



38.6352, 0.2716, 0.2261

Square

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



38.6352, 0.2715, 0.4248



38.6352, 0.1901, 0.2350



38.6352, 0.3439, 0.2548



38.6352, 0.4492, 0.4056

Rectangle

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



38.6352, 0.2715, 0.4248



38.6352, 0.1954, 0.3014



38.6352, 0.3439, 0.2548



38.6352, 0.4455, 0.3338

Sweetspot

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



38.6368, 0.2715, 0.4248



80.9472, 0.2977, 0.3529



40.8233, 0.3451, 0.4979



17.5808, 0.2954, 0.3571



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.



38.6368, 0.2715, 0.4248



67.2677, 0.2685, 0.4495



40.5864, 0.2395, 0.3288



10.7277, 0.3049, 0.3406



25.0624, 0.2715, 0.4974



0.9949, 0.2593, 0.4535

Inverse Universe

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



17.0826, 0.4022, 0.2547



25.3795, 0.4321, 0.2458



15.9642, 0.4992, 0.3296



9.6131, 0.3213, 0.3177



7.8352, 0.4951, 0.2501



0.3201, 0.4426, 0.2212

Previews

White Background



This preview shows how the Yxy color 38.6352, 0.2715, 0.4248 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 38.6352, 0.2715, 0.4248 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

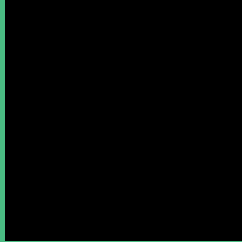
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.6352, 0.2715, 0.4248

Background



This preview shows how black text looks on a background with the Yxy color 38.6352, 0.2715, 0.4248.



This preview shows how white text looks on a background with the Yxy color 38.6352, 0.2715, 0.4248.

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

38.6352, 0.2715, 0.4248

Protanopia

38.1179, 0.3649, 0.3924

Deuteranopia

37.8089, 0.3668, 0.3588



Tritanopia

38.5149, 0.2421, 0.3060

Trichromacy



Original Color

38.6352, 0.2715, 0.4248



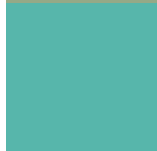
Protanomaly

37.3282, 0.3222, 0.4056



Deuteranomaly

36.5148, 0.3231, 0.3811



Tritanomaly

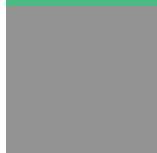
38.4224, 0.2526, 0.3465

Monochromacy



Original Color

38.6352, 0.2715, 0.4248



Achromatopsia

29.1771, 0.3127, 0.3290



Achromatomaly

31.7568, 0.2921, 0.3641

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.6352, 0.2715, 0.4248 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(74, 187, 131)` looks like.

```
.text, #text, p{  
    color:rgb(74, 187, 131)  
}
```

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(74, 187, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 187, 131) }
```

Border

The CSS property to change the border of an element to Yxy 38.6352, 0.2715, 0.4248 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(74, 187, 131) }
```

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

```
.border{ border-color:rgb(74, 187, 131) }
```

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

Here you see how a box with a 4 pixel rgb(74, 187, 131) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 187, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 187, 131);  
box-shadow:4px 4px 4px 4px rgb(74, 187,  
131) }
```


Background

The CSS property to change the background color of an element to Yxy 38.6352, 0.2715, 0.4248 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 187, 131) }
```

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

```
.background{ background-color: rgb(74, 187,  
131) }
```

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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