

Converting Colors

$Y_{xy}(36.6320, 0.2656, 0.3921)$

Have a look what the booklet for
Yxy(36.6320, 0.2656, 0.3921)
contains.

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Color

Yxy(36.8107, 0.2656, 0.3919)

Conversions

Conversions Part 1

Format	Color
Hex	51B590
RGB	81, 181, 144
RGB Percent	32%, 71%, 56%
CMY	0.6825, 0.2902, 0.4353
CMYK	0.55, 0.00, 0.20, 0.29
HSL	158°, 40%, 51%
HSV	158°, 55%, 71%
XYZ	24.9475, 36.8107, 32.1706
YIQ	146.8820, -47.7230, -32.7070

Conversions

Conversions Part 2

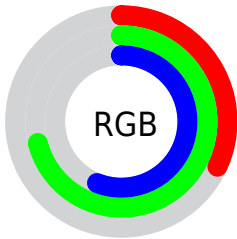
Format	Color
RYB	81, 142, 181
Decimal	5354896
CIELab	67.13, -38.20, 10.13
CIElCh	67, 39.524, 165.153
Yxy	36.8107, 0.2656, 0.3919
Android (android.graphics.Color)	4283544976 (0xFF51B590)
YUV	146.8820, -1.4208, -57.7785
Hunter-Lab	60.6718, -32.7787, 11.0324

Details

The Yxy color **36.8107, 0.2656, 0.3919** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **17.0107, 0.4118, 0.2772**, and the grayscale version is **29.1427, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.0489, 0.2751, 0.3781**, and **16.0385, 0.2495, 0.4121** is the 20% darker color. If you saturate the color by 10%, you get **35.9180, 0.2610, 0.4058**, and if you desaturate by 10%, it is **37.9316, 0.2718, 0.3786**.

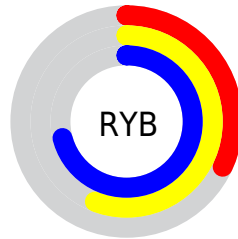
Distribution



Red (32%)

Green (71%)

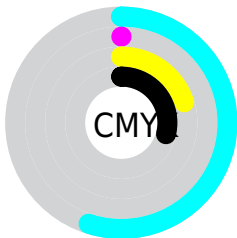
Blue (56%)



Red (32%)

Yellow (56%)

Blue (71%)

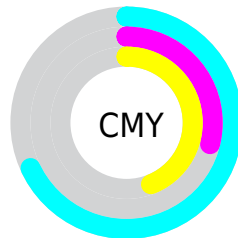


Cyan (55%)

Magenta (0%)

Yellow (20%)

Black (29%)



Cyan (68%)


Magenta (29%)


Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.8107, 0.2656, 0.3919 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 36.8107, 0.2656, 0.3919 by changing the saturation by 10% instead.


 36.8107, 0.2656,
0.3919


 36.8107, 0.2656,
0.3919


332.4902, 0.2906,
0.3580


 25.0610, 0.2589,
0.4013


 70.2815, 0.2751,
0.3789


 16.1225, 0.2499,
0.4139


 92.7714, 0.2785,
0.3743

 9.6109, 0.2374,
0.4318


 119.6102, 0.2814,
0.3704

 5.1417, 0.2188,
0.4590

 151.1821, 0.2838,
0.3671

 2.3307, 0.1887,
0.5051

187.8717, 0.2859,
0.3643

 0.7899, 0.0000,
0.8387

230.0633, 0.2877,

 0.0000, 0.0000,

0.3619

0.0000

278.1414, 0.2892,
0.3598

■ 36.8107, 0.2656,
0.3919

■ 36.8107, 0.2656,
0.3919

■ 35.9180, 0.2610,
0.4058

■ 37.9316, 0.2718,
0.3786

■ 35.2315, 0.2583,
0.4200

■ 39.2918, 0.2794,
0.3660

■ 34.7324, 0.2575,
0.4342

■ 40.9072, 0.2881,
0.3542

■ 34.3957, 0.2588,
0.4482

■ 42.7907, 0.2975,
0.3435

■ 34.2672, 0.2597,
0.4548

■ 44.9546, 0.3074,
0.3337

■ 47.4103, 0.3175,
0.3250

■ 50.1685, 0.3277,
0.3172

■ 53.2394, 0.3378,
0.3103

■ 56.6328, 0.3476,
0.3042

Harmonies

Analogous

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



36.8107, 0.3218, 0.4322



36.8107, 0.2656, 0.3919



36.8107, 0.2245, 0.3312

Triad

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



36.8107, 0.2656, 0.3919



36.8107, 0.2438, 0.2356



36.8107, 0.4316, 0.3627

Complementary

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



36.8107, 0.2656, 0.3919



17.0107, 0.4118, 0.2772

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.



36.8107, 0.4078, 0.3167



36.8107, 0.2656, 0.3919



36.8107, 0.2944, 0.2471

Square

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



36.8107, 0.2656, 0.3919



36.8107, 0.2135, 0.2448



36.8107, 0.3554, 0.2759



36.8107, 0.4196, 0.4060

Rectangle

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



36.8107, 0.2656, 0.3919



36.8107, 0.2099, 0.2933



36.8107, 0.3554, 0.2759



36.8107, 0.4276, 0.3473

Sweetspot

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



36.8122, 0.2656, 0.3919



75.9114, 0.2956, 0.3456



37.5888, 0.3336, 0.4886



16.2598, 0.2937, 0.3476



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.



36.8122, 0.2656, 0.3919



64.0697, 0.2604, 0.4084



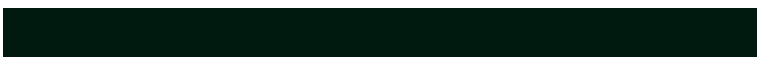
33.5852, 0.2397, 0.3098



9.5771, 0.3034, 0.3376



23.6342, 0.2592, 0.4531



0.7544, 0.2484, 0.4142

Inverse Universe

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



17.0107, 0.4118, 0.2772



25.1047, 0.4465, 0.2701



18.1820, 0.4643, 0.3456



8.5555, 0.3231, 0.3206



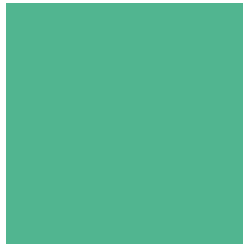
7.0639, 0.5463, 0.2783



0.2338, 0.4696, 0.2360

Previews

White Background



This preview shows how the Yxy color 36.8107, 0.2656, 0.3919 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 36.8107, 0.2656, 0.3919 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

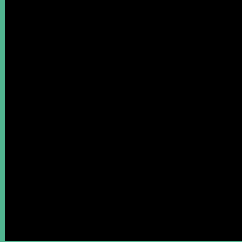
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.8107, 0.2656, 0.3919

Background



This preview shows how black text looks on a background with the Yxy color 36.8107, 0.2656, 0.3919.



This preview shows how white text looks on a background with the Yxy color 36.8107, 0.2656, 0.3919.

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

36.8107, 0.2656, 0.3919

Protanopia

36.2198, 0.3472, 0.3696

Deuteranopia

36.3511, 0.3463, 0.3402



Tritanopia

36.7670, 0.2442, 0.3072

Trichromacy



Original Color

36.8107, 0.2656, 0.3919



Protanomaly

35.6142, 0.3104, 0.3779



Deuteranomaly

35.4900, 0.3104, 0.3582



Tritanomaly

36.6351, 0.2515, 0.3353

Monochromacy



Original Color

36.8107, 0.2656, 0.3919



Achromatopsia

29.1771, 0.3127, 0.3290



Achromatomaly

31.0826, 0.2904, 0.3505

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.8107, 0.2656, 0.3919 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(81, 181, 144)` looks like.

```
.text, #text, p{  
    color:rgb(81, 181, 144)  
}
```

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(81, 181, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 181, 144) }
```

Border

The CSS property to change the border of an element to Yxy 36.8107, 0.2656, 0.3919 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(81, 181, 144) }
```

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

```
.border{ border-color:rgb(81, 181, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 181, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 181, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 181, 144);  
box-shadow:4px 4px 4px 4px rgb(81, 181,  
144) }
```


Background

The CSS property to change the background color of an element to Yxy 36.8107, 0.2656, 0.3919 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 181, 144) }
```

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

```
.background{ background-color: rgb(81, 181,  
144) }
```

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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