

Converting Colors

$Y_{xy}(36.7599, 0.2599, 0.3571)$

Have a look what the booklet for
Yxy(36.7599, 0.2599, 0.3571)
contains.

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Color

Yxy(36.6381, 0.2597, 0.3568)

Conversions

Conversions Part 1

Format	Color
Hex	5BB2A1
RGB	91, 178, 161
RGB Percent	36%, 70%, 63%
CMY	0.6431, 0.3019, 0.3687
CMYK	0.49, 0.00, 0.10, 0.30
HSL	168°, 36%, 53%
HSV	168°, 49%, 70%
XYZ	26.6674, 36.6381, 39.3798
YIQ	150.0490, -46.3950, -23.7310

Conversions

Conversions Part 2

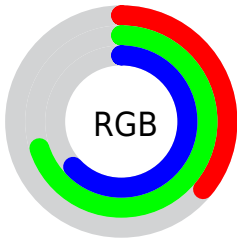
Format	Color
RYB	91, 139, 178
Decimal	6009505
CIELab	67.00, -30.45, 0.62
CIElCh	67, 30.456, 178.841
Yxy	36.6381, 0.2597, 0.3568
Android (android.graphics.Color)	4284199585 (0xFF5BB2A1)
YUV	150.0490, 5.3988, -51.7860
Hunter-Lab	60.5294, -27.2850, 3.7971

Details

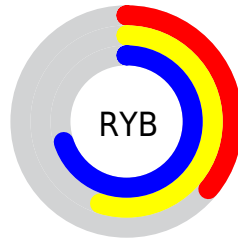
The Yxy color **36.6381, 0.2597, 0.3568** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **18.0319, 0.4190, 0.3046**, and the grayscale version is **30.5136, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.0065, 0.2699, 0.3509**, and **16.0843, 0.2430, 0.3648** is the 20% darker color. If you saturate the color by 10%, you get **35.7185, 0.2526, 0.3636**, and if you desaturate by 10%, it is **37.7786, 0.2684, 0.3503**.

Distribution



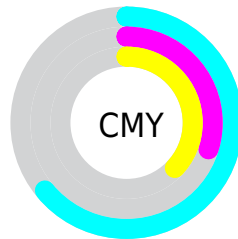
- Red (36%)
- Green (70%)
- Blue (63%)



- Red (36%)
- Yellow (55%)
- Blue (70%)



- Cyan (49%)
- Magenta (0%)
- Yellow (10%)
- Black (30%)





- Cyan (64%)
- Magenta (30%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 36.6381, 0.2597, 0.3568 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 36.6381, 0.2597, 0.3568 by changing the saturation by 10% instead.


 36.6381, 0.2597,
0.3568


 36.6381, 0.2597,
0.3568


331.7410, 0.2872,
0.3424


 24.9274, 0.2525,
0.3606


 70.0158, 0.2699,
0.3514


 16.0230, 0.2432,
0.3655


 92.4517, 0.2737,
0.3494

 9.5404, 0.2304,
0.3723


 119.2313, 0.2768,
0.3478

 5.0953, 0.2120,
0.3822

 150.7392, 0.2795,
0.3464

 2.3033, 0.1835,
0.3976

187.3598, 0.2818,
0.3452

 0.7755, 0.0000,
0.4918

229.4773, 0.2838,

 0.0000, 0.0000,

0.3441

0.0000

277.4763, 0.2856,
0.3432

■ 36.6381, 0.2597,
0.3568

■ 36.6381, 0.2597,
0.3568

■ 35.7185, 0.2526,
0.3636

■ 37.7786, 0.2684,
0.3503

■ 35.0000, 0.2472,
0.3705

■ 39.1495, 0.2785,
0.3442

■ 34.4665, 0.2438,
0.3776


■ 40.7651, 0.2897,
0.3385


■ 34.0975, 0.2423,
0.3846

■ 42.6372, 0.3017,
0.3333


■ 33.8561, 0.2423,
0.3916


■ 44.7768, 0.3141,
0.3285

 33.8312, 0.2423,
0.3924

 47.1943, 0.3269,
0.3242

 49.8996, 0.3398,
0.3204

 52.9020, 0.3525,
0.3170

 56.2104, 0.3650,
0.3140

Harmonies

Analogous

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



36.6381, 0.3000, 0.3961



36.6381, 0.2597, 0.3568



36.6381, 0.2345, 0.3112

Triad

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



36.6381, 0.2597, 0.3568



36.6381, 0.2756, 0.2570



36.6381, 0.4040, 0.3735

Complementary

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



36.6381, 0.2597, 0.3568



18.0319, 0.4190, 0.3046

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.



36.6381, 0.3976, 0.3371



36.6381, 0.2597, 0.3568



36.6381, 0.3204, 0.2730

Square

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



36.6381, 0.2597, 0.3568



36.6381, 0.2432, 0.2572



36.6381, 0.3661, 0.3014



36.6381, 0.3842, 0.4022

Rectangle

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



36.6381, 0.2597, 0.3568



36.6381, 0.2284, 0.2857



36.6381, 0.3661, 0.3014



36.6381, 0.4049, 0.3618

Sweetspot

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



36.6395, 0.2597, 0.3568



75.0940, 0.2939, 0.3366



35.8113, 0.3189, 0.4750



16.4856, 0.2915, 0.3377



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.



36.6395, 0.2597, 0.3568



64.6030, 0.2519, 0.3644



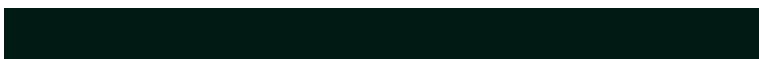
27.8645, 0.2412, 0.2852



9.6025, 0.3011, 0.3335



24.2145, 0.2421, 0.3916



0.7692, 0.2367, 0.3721

Inverse Universe

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



18.0319, 0.4190, 0.3046



26.7769, 0.4592, 0.3006



22.9682, 0.4258, 0.3674



8.5315, 0.3257, 0.3246



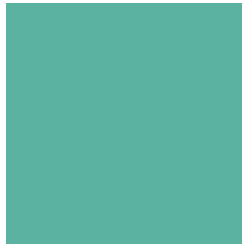
6.8656, 0.6056, 0.3110



0.2240, 0.5323, 0.2706

Previews

White Background



This preview shows how the Yxy color 36.6381, 0.2597, 0.3568 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 36.6381, 0.2597, 0.3568 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

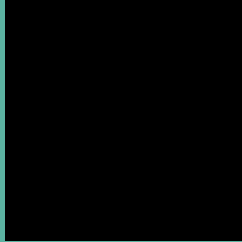
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.6381, 0.2597, 0.3568

Background



This preview shows how black text looks on a background with the Yxy color 36.6381, 0.2597, 0.3568.

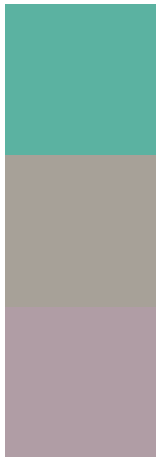


This preview shows how white text looks on a background with the Yxy color 36.6381, 0.2597, 0.3568.

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

36.6381, 0.2597, 0.3568

Protanopia

35.9722, 0.3266, 0.3421

Deuteranopia

36.0607, 0.3240, 0.3179



Tritanopia

36.5556, 0.2467, 0.3072

Trichromacy



Original Color

36.6381, 0.2597, 0.3568

Protanomaly

35.4930, 0.2975, 0.3475

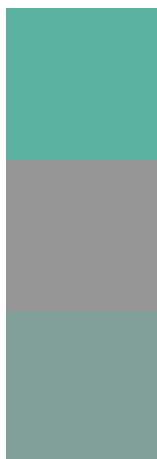
Deuteranomaly

35.6103, 0.2954, 0.3305

Tritanomaly

36.3611, 0.2512, 0.3241

Monochromacy



Original Color

36.6381, 0.2597, 0.3568

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

32.1418, 0.2892, 0.3386

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.6381, 0.2597, 0.3568 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(91, 178, 161)` looks like.

```
.text, #text, p{  
    color:rgb(91, 178, 161)  
}
```

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(91, 178, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 178, 161) }
```

Border

The CSS property to change the border of an element to Yxy 36.6381, 0.2597, 0.3568 is called "border". The border property can be set on classes, ids or directly on the HTML element.

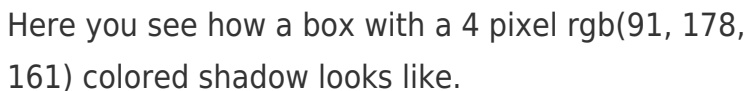
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(91, 178, 161) }
```

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

```
.border{ border-color:rgb(91, 178, 161) }
```

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



Here you see how a box with a 4 pixel `rgb(91, 178, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(91, 178, 161); -webkit-box-shadow:4px 4px 4px 4px rgb(91, 178, 161); box-shadow:4px 4px 4px 4px rgb(91, 178, 161) }
```


Background

The CSS property to change the background color of an element to Yxy 36.6381, 0.2597, 0.3568 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 178, 161) }
```

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

```
.background{ background-color: rgb(91, 178,  
161) }
```

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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