

Converting Colors

$Yxy(36.8898, 0.2707, 0.3614)$

Have a look what the booklet for
Yxy(36.8898, 0.2707, 0.3614)
contains.

Yxy(36.8819, 0.2707, 0.3613)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(36.8819, 0.2707, 0.3613)

Conversions

Conversions Part 1

Format	Color
Hex	69B19D
RGB	105, 177, 157
RGB Percent	41%, 69%, 62%
CMY	0.5883, 0.3059, 0.3843
CMYK	0.41, 0.00, 0.11, 0.31
HSL	163°, 32%, 55%
HSV	163°, 41%, 69%
XYZ	27.6334, 36.8819, 37.5658
YIQ	153.1920, -36.4920, -21.4840

Conversions

Conversions Part 2

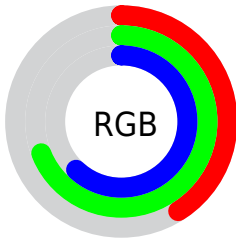
Format	Color
RYB	105, 147, 177
Decimal	6926749
CIELab	67.19, -27.34, 3.16
CIElCh	67, 27.518, 173.416
Yxy	36.8819, 0.2707, 0.3613
Android (android.graphics.Color)	4285116829 (0xFF69B19D)
YUV	153.1920, 1.8773, -42.2644
Hunter-Lab	60.7305, -25.0579, 5.8365

Details

The Yxy color **36.8819, 0.2707, 0.3613** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **20.9289, 0.3850, 0.2997**, and the grayscale version is **31.9467, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.4022, 0.2784, 0.3543**, and **16.1597, 0.2569, 0.3715** is the 20% darker color. If you saturate the color by 10%, you get **35.7564, 0.2630, 0.3708**, and if you desaturate by 10%, it is **38.2402, 0.2798, 0.3523**.

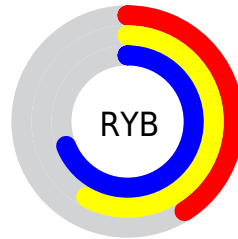
Distribution



Red (41%)

Green (69%)

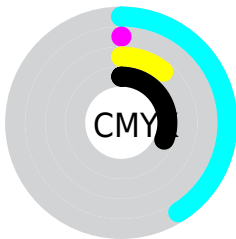
Blue (62%)



Red (41%)

Yellow (58%)

Blue (69%)

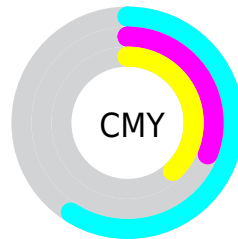


Cyan (41%)

Magenta (0%)

Yellow (11%)

Black (31%)



Cyan (59%)


Magenta (31%)


Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.8819, 0.2707, 0.3613 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 36.8819, 0.2707, 0.3613 by changing the saturation by 10% instead.


 36.8819, 0.2707,
0.3613


 36.8819, 0.2707,
0.3613


332.7989, 0.2926,
0.3443

 25.1161, 0.2649,
0.3659


 70.3911, 0.2789,
0.3549

 16.1635, 0.2574,
0.3719


 92.9033, 0.2819,
0.3526

 9.6400, 0.2470,
0.3803


 119.7663, 0.2844,
0.3506

 5.1609, 0.2318,
0.3927

 151.3647, 0.2865,
0.3490

 2.3420, 0.2078,
0.4130

188.0827, 0.2884,
0.3475

 0.7958, 0.0582,
0.5199

230.3049, 0.2900,

 0.0000, 0.0000,

0.3463

0.0000

278.4155, 0.2914,
0.3452

■ 36.8819, 0.2707,
0.3613

■ 36.8819, 0.2707,
0.3613

■ 35.7564, 0.2630,
0.3708

■ 38.2402, 0.2798,
0.3523

■ 34.8452, 0.2568,
0.3808

■ 39.8396, 0.2898,
0.3440

■ 34.1343, 0.2524,
0.3910


■ 41.6934, 0.3006,
0.3364

■ 33.6057, 0.2500,
0.4014

■ 43.8129, 0.3119,
0.3295

■ 33.2386, 0.2495,
0.4118

■ 46.2083, 0.3235,
0.3232

 33.0010, 0.2504,
0.4213

 48.8896, 0.3350,
0.3177

 51.8660, 0.3465,
0.3128

 55.1465, 0.3576,
0.3085

 56.9342, 0.3606,
0.3040

Harmonies

Analogous

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



36.8819, 0.3090, 0.3934



36.8819, 0.2707, 0.3613



36.8819, 0.2446, 0.3204

Triad

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



36.8819, 0.2707, 0.3613



36.8819, 0.2729, 0.2624



36.8819, 0.3958, 0.3642

Complementary

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



36.8819, 0.2707, 0.3613



20.9289, 0.3850, 0.2997

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.



36.8819, 0.3855, 0.3307



36.8819, 0.2707, 0.3613



36.8819, 0.3121, 0.2744

Square

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



36.8819, 0.2707, 0.3613



36.8819, 0.2460, 0.2657



36.8819, 0.3540, 0.2988



36.8819, 0.3822, 0.3917

Rectangle

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



36.8819, 0.2707, 0.3613



36.8819, 0.2368, 0.2959



36.8819, 0.3540, 0.2988



36.8819, 0.3951, 0.3533

Sweetspot

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



36.8834, 0.2707, 0.3613



74.1328, 0.2990, 0.3375



36.8554, 0.3239, 0.4456



15.9716, 0.2976, 0.3384



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



36.8834, 0.2707, 0.3613



64.1910, 0.2636, 0.3700



31.8073, 0.2538, 0.3037



9.5905, 0.3022, 0.3354



23.9198, 0.2501, 0.4202



0.7619, 0.2421, 0.3916

Inverse Universe

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



20.9289, 0.3850, 0.2997



31.6199, 0.4104, 0.2935



23.9434, 0.4043, 0.3524



8.5428, 0.3245, 0.3227



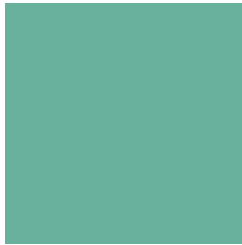
6.9429, 0.5805, 0.2971



0.2286, 0.5000, 0.2528

Previews

White Background



This preview shows how the Yxy color 36.8819, 0.2707, 0.3613 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 36.8819, 0.2707, 0.3613 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

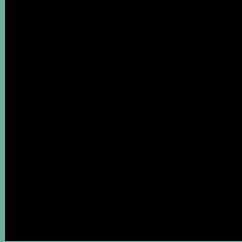
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.8819, 0.2707, 0.3613

Background



This preview shows how black text looks on a background with the Yxy color 36.8819, 0.2707, 0.3613.



This preview shows how white text looks on a background with the Yxy color 36.8819, 0.2707, 0.3613.

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

36.8819, 0.2707, 0.3613

Protanopia

36.4456, 0.3312, 0.3478

Deuteranopia

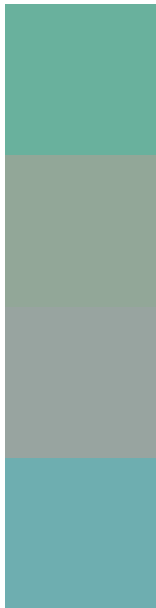
36.2709, 0.3307, 0.3235



Tritanopia

36.9857, 0.2555, 0.3076

Trichromacy



Original Color

36.8819, 0.2707, 0.3613

Protanomaly

36.0154, 0.3062, 0.3518

Deuteranomaly

35.7644, 0.3050, 0.3349

Tritanomaly

36.7217, 0.2608, 0.3257

Monochromacy



Original Color

36.8819, 0.2707, 0.3613

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

33.4080, 0.2955, 0.3416

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.8819, 0.2707, 0.3613 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(105, 177, 157)` looks like.

```
.text, #text, p{  
    color:rgb(105, 177, 157)  
}
```

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(105, 177, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 177, 157) }
```

Border

The CSS property to change the border of an element to Yxy 36.8819, 0.2707, 0.3613 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(105, 177, 157) }
```

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

```
.border{ border-color:rgb(105, 177, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 177, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 177, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 177, 157);  
box-shadow:4px 4px 4px 4px rgb(105, 177,  
157) }
```


Background

The CSS property to change the background color of an element to Yxy 36.8819, 0.2707, 0.3613 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 177, 157) }
```

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

```
.background{ background-color: rgb(105,  
177, 157) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor