

Converting Colors

$Yxy(36.5905, 0.2565, 0.3018)$

Have a look what the booklet for
Yxy(36.5905, 0.2565, 0.3018)
contains.

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Color

Yxy(36.5819, 0.2564, 0.3017)

Conversions

Conversions Part 1

Format	Color
Hex	75ABBD
RGB	117, 171, 189
RGB Percent	46%, 67%, 74%
CMY	0.5411, 0.3294, 0.2587
CMYK	0.38, 0.10, 0.00, 0.26
HSL	195°, 35%, 60%
HSV	195°, 38%, 74%
XYZ	31.0892, 36.5819, 53.5815
YIQ	156.9060, -37.9620, -5.8500

Conversions

Conversions Part 2

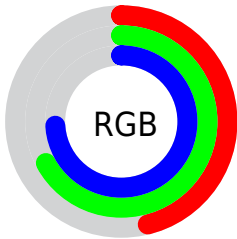
Format	Color
R _{YB}	117, 148, 189
Decimal	7711677
CIE _{Lab}	66.96, -13.09, -14.86
CIE _{LCh}	67, 19.806, 228.622
Y _{xy}	36.5819, 0.2564, 0.3017
Android (android.graphics.Color)	4285901757 (0xFF75ABBD)
YUV	156.9060, 15.8223, -34.9976
Hunter-Lab	60.4830, -14.0935, -10.1866

Details

The Yxy color **36.5819, 0.2564, 0.3017** is a light color, and the websafe version is hex **669999**. A complement of this color would be **29.4521, 0.3955, 0.3543**, and the grayscale version is **33.6166, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.7559, 0.2672, 0.3072**, and **16.0612, 0.2396, 0.2925** is the 20% darker color. If you saturate the color by 10%, you get **33.6466, 0.2433, 0.2932**, and if you desaturate by 10%, it is **39.8485, 0.2705, 0.3097**.

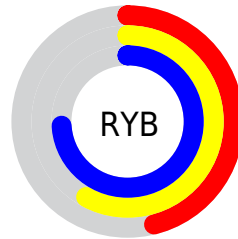
Distribution



Red (46%)

Green (67%)

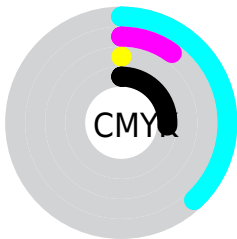
Blue (74%)



Red (46%)

Yellow (58%)

Blue (74%)

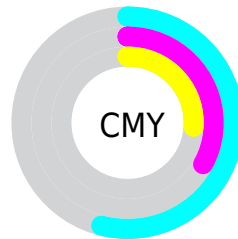


Cyan (38%)

Magenta (10%)

Yellow (0%)

Black (26%)



Cyan (54%)


Magenta (33%)


Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.5819, 0.2564, 0.3017 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 36.5819, 0.2564, 0.3017 by changing the saturation by 10% instead.


 36.5819, 0.2564,
0.3017

 36.5819, 0.2564,
0.3017


331.4968, 0.2851,
0.3163


 24.8839, 0.2491,
0.2977


 69.9293, 0.2669,
0.3073

 15.9906, 0.2396,
0.2924


 92.3475, 0.2709,
0.3093

 9.5175, 0.2270,
0.2851


 119.1079, 0.2742,
0.3109

 5.0802, 0.2091,
0.2742

150.5949, 0.2770,
0.3124

 2.2944, 0.1825,
0.2566

187.1929, 0.2794,
0.3136

 0.7708, 0.1221,
0.2280

229.2863, 0.2816,

 0.0000, 0.0000,

0.3146

0.0000

277.2595, 0.2834,
0.3155

■ 36.5819, 0.2564,
0.3017

■ 36.5819, 0.2564,
0.3017

■ 33.6466, 0.2433,
0.2932

■ 39.8485, 0.2705,
0.3097

■ 31.0216, 0.2316,
0.2843

■ 43.4575, 0.2853,
0.3171

■ 28.6900, 0.2215,
0.2752

■ 47.4245, 0.3004,
0.3239

■ 26.6310, 0.2132,
0.2659

■ 51.7629, 0.3156,
0.3301

■ 24.8205, 0.2069,
0.2566

■ 56.4851, 0.3307,
0.3357

■ 23.2209, 0.2024,
0.2474

■ 61.6033, 0.3455,
0.3406

■ 22.9281, 0.2016,
0.2457

■ 67.1286, 0.3598,
0.3450

■ 70.4717, 0.3631,
0.3496

■ 72.8275, 0.3619,
0.3544

Harmonies

Analogous

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



36.5819, 0.2652, 0.3281



36.5819, 0.2564, 0.3017



36.5819, 0.2617, 0.2845

Triad

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



36.5819, 0.2564, 0.3017



36.5819, 0.3381, 0.3035



36.5819, 0.3445, 0.3824

Complementary

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



36.5819, 0.2564, 0.3017



29.4521, 0.3955, 0.3543

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.



36.5819, 0.3657, 0.3725



36.5819, 0.2564, 0.3017



36.5819, 0.3623, 0.3269

Square

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



36.5819, 0.2564, 0.3017



36.5819, 0.3077, 0.2865



36.5819, 0.3725, 0.3518



36.5819, 0.3154, 0.3769

Rectangle

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



36.5819, 0.2564, 0.3017



36.5819, 0.2726, 0.2798



36.5819, 0.3725, 0.3518



36.5819, 0.3529, 0.3807

Sweetspot

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



36.5833, 0.2564, 0.3017



82.6477, 0.2957, 0.3219



41.9409, 0.2953, 0.4140



17.5640, 0.2936, 0.3210



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.



36.5833, 0.2564, 0.3017



60.9200, 0.2450, 0.2944



24.7950, 0.2480, 0.2440



10.3938, 0.2985, 0.3231



15.5481, 0.2019, 0.2468



0.7071, 0.2080, 0.2688

Inverse Universe

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



26.4916, 0.3369, 0.2572



40.9200, 0.3443, 0.2415



41.2436, 0.3773, 0.4013



9.6543, 0.3175, 0.3120



8.5993, 0.3954, 0.1952



0.3467, 0.3740, 0.1834

Previews

White Background



This preview shows how the Yxy color 36.5819, 0.2564, 0.3017 looks on a white background.

Color Contrast Check

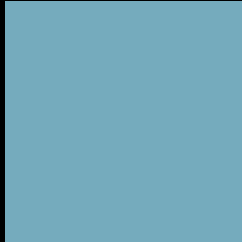
Large Text (above 18pt) WCAG AA × Fail

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 36.5819, 0.2564, 0.3017 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 36.5819, 0.2564, 0.3017

Background



This preview shows how black text looks on a background with the Yxy color 36.5819, 0.2564, 0.3017.



This preview shows how white text looks on a background with the Yxy color 36.5819, 0.2564, 0.3017.

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

36.5819, 0.2564, 0.3017

Protanopia

36.2796, 0.2922, 0.2979

Deuteranopia

36.4946, 0.2893, 0.2836



Tritanopia

36.7208, 0.2585, 0.3091

Trichromacy



Original Color

36.5819, 0.2564, 0.3017

Protanomaly

36.3423, 0.2782, 0.2999

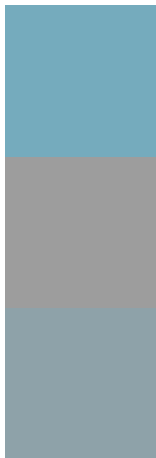
Deuteranomaly

36.1590, 0.2760, 0.2889

Tritanomaly

36.7632, 0.2579, 0.3076

Monochromacy



Original Color

36.5819, 0.2564, 0.3017

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

34.4560, 0.2886, 0.3183

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.5819, 0.2564, 0.3017 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(117, 171, 189)` looks like.

```
.text, #text, p{  
    color:rgb(117, 171, 189)  
}
```

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(117, 171, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 171, 189) }
```

Border

The CSS property to change the border of an element to Yxy 36.5819, 0.2564, 0.3017 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(117, 171, 189) }
```

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

```
.border{ border-color:rgb(117, 171, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 171, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 171, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 171, 189);  
box-shadow:4px 4px 4px 4px rgb(117, 171,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 36.5819, 0.2564, 0.3017 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 171, 189) }
```

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

```
.background{ background-color: rgb(117,  
171, 189) }
```

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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