

Converting Colors

$Y_{xy}(36.3158, 0.2538, 0.3017)$

Have a look what the booklet for
Yxy(36.3158, 0.2538, 0.3017)
contains.

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Color

Yxy(36.3107, 0.2538, 0.3016)

Conversions

Conversions Part 1

Format	Color
Hex	71ABBD
RGB	113, 171, 189
RGB Percent	44%, 67%, 74%
CMY	0.5569, 0.3294, 0.2589
CMYK	0.40, 0.10, 0.00, 0.26
HSL	194°, 37%, 59%
HSV	194°, 40%, 74%
XYZ	30.5559, 36.3107, 53.5270
YIQ	155.7100, -40.3460, -6.6980

Conversions

Conversions Part 2

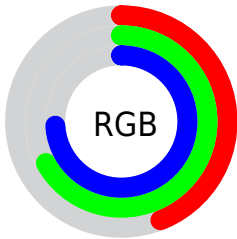
Format	Color
RYB	113, 146, 189
Decimal	7449533
CIELab	66.76, -14.19, -15.16
CIELCh	67, 20.765, 226.903
Yxy	36.3107, 0.2538, 0.3016
Android (android.graphics.Color)	4285639613 (0xFF71ABBD)
YUV	155.7100, 16.4120, -37.4567
Hunter-Lab	60.2584, -14.9381, -10.4859

Details

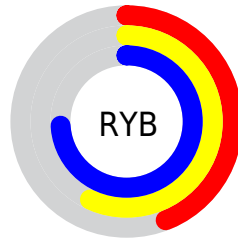
The Yxy color **36.3107, 0.2538, 0.3016** is a light color, and the websafe version is hex **669999**. A complement of this color would be **28.2325, 0.4025, 0.3543**, and the grayscale version is **33.0492, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.3101, 0.2650, 0.3070**, and **15.9010, 0.2360, 0.2921** is the 20% darker color. If you saturate the color by 10%, you get **33.5263, 0.2411, 0.2935**, and if you desaturate by 10%, it is **39.4159, 0.2676, 0.3092**.

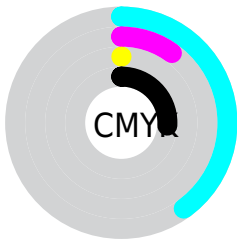
Distribution



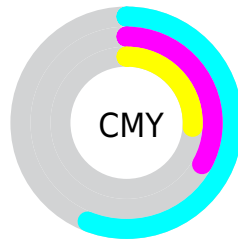
- Red (44%)
- Green (67%)
- Blue (74%)



- Red (44%)
- Yellow (57%)
- Blue (74%)



- Cyan (40%)
- Magenta (10%)
- Yellow (0%)
- Black (26%)





- Cyan (56%)
- Magenta (33%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.3107, 0.2538, 0.3016 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 36.3107, 0.2538, 0.3016 by changing the saturation by 10% instead.


 36.3107, 0.2538,
0.3016


 36.3107, 0.2538,
0.3016


330.3165, 0.2838,
0.3164


 24.6743, 0.2462,
0.2976

 69.5114, 0.2648,
0.3072

 15.8345, 0.2363,
0.2922


 91.8443, 0.2689,
0.3093

 9.4071, 0.2230,
0.2847


 118.5116, 0.2724,
0.3109

 5.0077, 0.2045,
0.2735

149.8976, 0.2754,
0.3124

 2.2518, 0.1767,
0.2555

186.3867, 0.2779,
0.3136

 0.7480, 0.1104,
0.2264

228.3633, 0.2801,

 0.0000, 0.0000,

0.3146

0.0000

276.2118, 0.2821,
0.3156

■ 36.3107, 0.2538,
0.3016

■ 36.3107, 0.2538,
0.3016

■ 33.5263, 0.2411,
0.2935

■ 39.4159, 0.2676,
0.3092

■ 31.0417, 0.2299,
0.2851

■ 42.8533, 0.2821,
0.3164

■ 28.8396, 0.2204,
0.2765

■ 46.6385, 0.2972,
0.3229

■ 26.8987, 0.2127,
0.2677

■ 50.7850, 0.3124,
0.3289

■ 25.1939, 0.2070,
0.2590

■ 55.3054, 0.3276,
0.3343

■ 23.7046, 0.2030,
0.2506

■ 60.2115, 0.3425,
0.3391

■ 65.5149, 0.3570,
0.3433

■ 69.4431, 0.3637,
0.3475

■ 71.6363, 0.3626,
0.3521

Harmonies

Analogous

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



36.3107, 0.2638, 0.3297



36.3107, 0.2538, 0.3016



36.3107, 0.2585, 0.2830

Triad

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



36.3107, 0.2538, 0.3016



36.3107, 0.3376, 0.3011



36.3107, 0.3477, 0.3850

Complementary

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



36.3107, 0.2538, 0.3016



28.2325, 0.4025, 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.



36.3107, 0.3693, 0.3736



36.3107, 0.2538, 0.3016



36.3107, 0.3637, 0.3252

Square

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



36.3107, 0.2538, 0.3016



36.3107, 0.3056, 0.2838



36.3107, 0.3755, 0.3514



36.3107, 0.3173, 0.3803

Rectangle

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



36.3107, 0.2538, 0.3016



36.3107, 0.2694, 0.2776



36.3107, 0.3755, 0.3514



36.3107, 0.3562, 0.3828

Sweetspot

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



36.3121, 0.2538, 0.3016



82.1548, 0.2942, 0.3217



41.5263, 0.2953, 0.4217



17.4731, 0.2922, 0.3208



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.



36.3121, 0.2538, 0.3016



60.7457, 0.2429, 0.2947



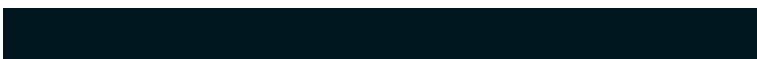
24.0307, 0.2443, 0.2405



10.4166, 0.2985, 0.3234



16.0760, 0.2033, 0.2517



0.7241, 0.2090, 0.2723

Inverse Universe

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



25.5669, 0.3374, 0.2520



39.6421, 0.3444, 0.2365



40.2779, 0.3819, 0.4037



9.6566, 0.3173, 0.3116



8.6526, 0.3905, 0.1925



0.3485, 0.3706, 0.1815

Previews

White Background



This preview shows how the Yxy color 36.3107, 0.2538, 0.3016 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 36.3107, 0.2538, 0.3016 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

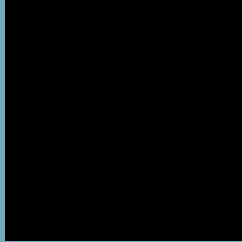
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

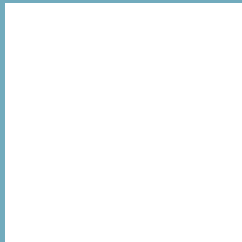
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 36.3107, 0.2538, 0.3016

Background



This preview shows how black text looks on a background with the Yxy color 36.3107, 0.2538, 0.3016.



This preview shows how white text looks on a background with the Yxy color 36.3107, 0.2538, 0.3016.

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

36.3107, 0.2538, 0.3016

Protanopia

36.2381, 0.2930, 0.2992

Deuteranopia

36.0460, 0.2884, 0.2821



Tritanopia

36.4526, 0.2559, 0.3090

Trichromacy



Original Color

36.3107, 0.2538, 0.3016

Protanomaly

36.1638, 0.2766, 0.2997

Deuteranomaly

35.9757, 0.2743, 0.2888

Tritanomaly

36.4950, 0.2553, 0.3075

Monochromacy



Original Color

36.3107, 0.2538, 0.3016

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

33.8923, 0.2876, 0.3183

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.3107, 0.2538, 0.3016 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(113, 171, 189)` looks like.

```
.text, #text, p{  
    color:rgb(113, 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(113, 171, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 171, 189) }
```

Border

The CSS property to change the border of an element to Yxy 36.3107, 0.2538, 0.3016 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(113, 171, 189) }
```

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

```
.border{ border-color:rgb(113, 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(113, 171, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 171, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 171, 189);  
box-shadow:4px 4px 4px 4px rgb(113, 171,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 36.3107, 0.2538, 0.3016 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 171, 189) }
```

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

```
.background{ background-color: rgb(113,  
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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