

Converting Colors

$Yxy(37.0498, 0.2731, 0.3140)$

Have a look what the booklet for
Yxy(37.0498, 0.2731, 0.3140)
contains.

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Color

Yxy(36.9503, 0.2730, 0.3139)

Conversions

Conversions Part 1

Format	Color
Hex	84AAB4
RGB	132, 170, 180
RGB Percent	52%, 67%, 71%
CMY	0.4821, 0.3334, 0.2940
CMYK	0.27, 0.06, 0.00, 0.29
HSL	193°, 24%, 61%
HSV	193°, 27%, 71%
XYZ	32.1358, 36.9503, 48.6275
YIQ	159.7780, -25.8580, -4.9460

Conversions

Conversions Part 2

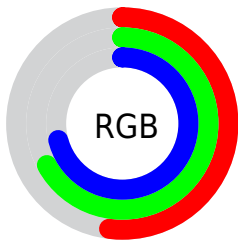
Format	Color
R _Y B	132, 153, 180
Decimal	8694452
CIE Lab	67.24, -10.47, -9.36
CIE LCh	67, 14.039, 221.805
Yxy	36.9503, 0.2730, 0.3139
Android (android.graphics.Color)	4286884532 (0xFF84AAB4)
YUV	159.7780, 9.9694, -24.3613
Hunter-Lab	60.7868, -12.0102, -4.8794

Details

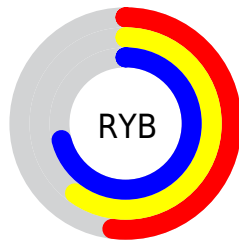
The Yxy color **36.9503, 0.2730, 0.3139** is a light color, and the websafe version is hex **669999**. A complement of this color would be **30.7424, 0.3652, 0.3436**, and the grayscale version is **35.0139, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.3457, 0.2803, 0.3164**, and **16.2385, 0.2613, 0.3097** is the 20% darker color. If you saturate the color by 10%, you get **34.2321, 0.2592, 0.3074**, and if you desaturate by 10%, it is **39.9623, 0.2876, 0.3200**.

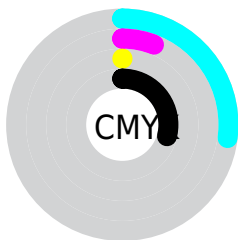
Distribution



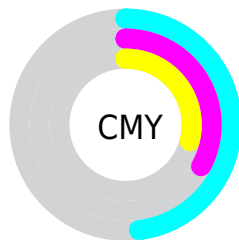
- Red (52%)
- Green (67%)
- Blue (71%)



- Red (52%)
- Yellow (60%)
- Blue (71%)



- Cyan (27%)
- Magenta (6%)
- Yellow (0%)
- Black (29%)





- Cyan (48%)
- Magenta (33%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.9503, 0.2730, 0.3139 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 36.9503, 0.2730, 0.3139 by changing the saturation by 10% instead.


 36.9503, 0.2730,
0.3139


 36.9503, 0.2730,
0.3139

333.0953, 0.2934,
0.3220


 25.1690, 0.2678,
0.3117


 70.4963, 0.2805,
0.3170

 16.2030, 0.2609,
0.3087


 93.0299, 0.2833,
0.3181

 9.6679, 0.2517,
0.3046


 119.9163, 0.2857,
0.3190

 5.1793, 0.2384,
0.2984

151.5400, 0.2877,
0.3198

 2.3529, 0.2181,
0.2881

188.2853, 0.2894,
0.3205

 0.8015, 0.1716,
0.2716

230.5367, 0.2909,

 0.0000, 0.0000,

0.3211

0.0000

278.6786, 0.2922,
0.3216

■ 36.9503, 0.2730,
0.3139

■ 36.9503, 0.2730,
0.3139

■ 34.2321, 0.2592,
0.3074

■ 39.9623, 0.2876,
0.3200

■ 31.7900, 0.2464,
0.3004

■ 43.2760, 0.3026,
0.3256

■ 29.6113, 0.2350,
0.2932

■ 46.9043, 0.3178,
0.3306

■ 27.6801, 0.2252,
0.2857

■ 50.8580, 0.3330,
0.3352

■ 25.9787, 0.2172,
0.2781

■ 55.1475, 0.3478,
0.3393

■ 24.4864, 0.2112,
0.2705

■ 59.7825, 0.3623,
0.3429

■ 23.1751, 0.2070,
0.2630

■ 64.1865, 0.3737,
0.3462

■ 22.7571, 0.2057,
0.2605

■ 65.9094, 0.3726,
0.3501

■ 67.6752, 0.3715,
0.3539

Harmonies

Analogous

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



36.9503, 0.2817, 0.3332



36.9503, 0.2730, 0.3139



36.9503, 0.2745, 0.2996

Triad

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



36.9503, 0.2730, 0.3139



36.9503, 0.3261, 0.3075



36.9503, 0.3395, 0.3659

Complementary

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



36.9503, 0.2730, 0.3139



30.7424, 0.3652, 0.3436

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.



36.9503, 0.3523, 0.3574



36.9503, 0.2730, 0.3139



36.9503, 0.3445, 0.3238

Square

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



36.9503, 0.2730, 0.3139



36.9503, 0.3045, 0.2966



36.9503, 0.3542, 0.3418



36.9503, 0.3198, 0.3642

Rectangle

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



36.9503, 0.2730, 0.3139



36.9503, 0.2810, 0.2946



36.9503, 0.3542, 0.3418



36.9503, 0.3448, 0.3641

Sweetspot

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



36.9518, 0.2730, 0.3139



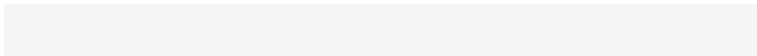
77.5194, 0.3004, 0.3248



39.5019, 0.3020, 0.3886



16.5561, 0.2981, 0.3240



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.



36.9518, 0.2730, 0.3139



64.0143, 0.2647, 0.3101



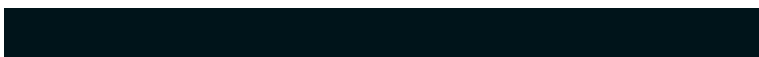
28.9000, 0.2695, 0.2771



9.3239, 0.2986, 0.3241



15.9785, 0.2060, 0.2614



0.5787, 0.2118, 0.2823

Inverse Universe

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



29.1240, 0.3261, 0.2766



47.6820, 0.3298, 0.2648



38.5103, 0.3570, 0.3760



8.6157, 0.3168, 0.3112



8.1532, 0.3810, 0.1873



0.2642, 0.3613, 0.1764

Previews

White Background



This preview shows how the Yxy color 36.9503, 0.2730, 0.3139 looks on a white background.

Color Contrast Check

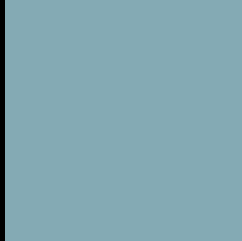
Large Text (above 18pt) WCAG AA × Fail

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 36.9503, 0.2730, 0.3139 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

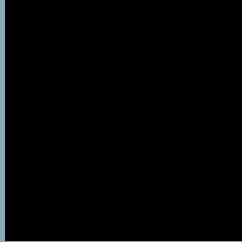
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

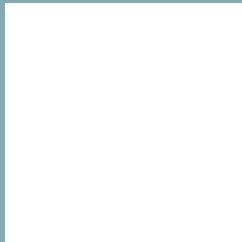
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 36.9503, 0.2730, 0.3139

Background



This preview shows how black text looks on a background with the Yxy color 36.9503, 0.2730, 0.3139.

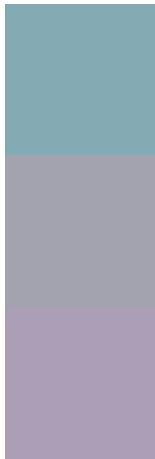


This preview shows how white text looks on a background with the Yxy color 36.9503, 0.2730, 0.3139.

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

36.9503, 0.2730, 0.3139

Protanopia

36.7223, 0.3024, 0.3106

Deuteranopia

36.7197, 0.3030, 0.2973



Tritanopia

37.1549, 0.2716, 0.3096

Trichromacy



Original Color

36.9503, 0.2730, 0.3139

Protanomaly

36.7600, 0.2911, 0.3116

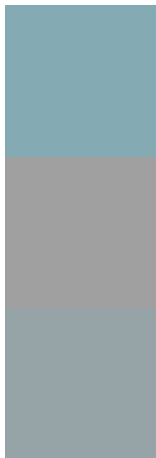
Deuteranomaly

36.5985, 0.2913, 0.3033

Tritanomaly

37.1134, 0.2723, 0.3111

Monochromacy



Original Color

36.9503, 0.2730, 0.3139

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

35.8250, 0.2974, 0.3245

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.9503, 0.2730, 0.3139 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(132, 170, 180)` looks like.

```
.text, #text, p{  
    color:rgb(132, 170, 180)  
}
```

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(132, 170, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 170, 180) }
```

Border

The CSS property to change the border of an element to Yxy 36.9503, 0.2730, 0.3139 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(132, 170, 180) }
```

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

```
.border{ border-color:rgb(132, 170, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 170, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 170, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 170, 180);  
box-shadow:4px 4px 4px 4px rgb(132, 170,  
180) }
```


Background

The CSS property to change the background color of an element to Yxy 36.9503, 0.2730, 0.3139 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 170, 180) }
```

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

```
.background{ background-color: rgb(132,  
170, 180) }
```

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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