

Converting Colors

$Y_{xy}(37.1135, 0.2562, 0.3033)$

Have a look what the booklet for
Yxy(37.1135, 0.2562, 0.3033)
contains.

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Color

Yxy(36.9611, 0.2566, 0.3033)

Conversions

Conversions Part 1

Format	Color
Hex	75ACBD
RGB	117, 172, 189
RGB Percent	46%, 67%, 74%
CMY	0.5413, 0.3254, 0.2588
CMYK	0.38, 0.09, 0.00, 0.26
HSL	194°, 35%, 60%
HSV	194°, 38%, 74%
XYZ	31.2701, 36.9611, 53.6320
YIQ	157.4930, -38.2370, -6.3730

Conversions

Conversions Part 2

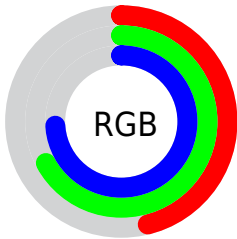
Format	Color
RYB	117, 148, 189
Decimal	7711933
CIELab	67.25, -13.66, -14.42
CIElCh	67, 19.859, 226.555
Yxy	36.9611, 0.2566, 0.3033
Android (android.graphics.Color)	4285902013 (0xFF75ACBD)
YUV	157.4930, 15.5330, -35.5124
Hunter-Lab	60.7956, -14.5813, -9.7468

Details

The Yxy color **36.9611, 0.2566, 0.3033** is a light color, and the websafe version is hex **669999**. A complement of this color would be **29.1407, 0.3962, 0.3529**, and the grayscale version is **33.8893, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.3014, 0.2674, 0.3083**, and **16.3005, 0.2400, 0.2947** is the 20% darker color. If you saturate the color by 10%, you get **34.1145, 0.2437, 0.2953**, and if you desaturate by 10%, it is **40.1318, 0.2706, 0.3108**.

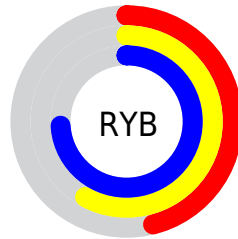
Distribution



Red (46%)

Green (67%)

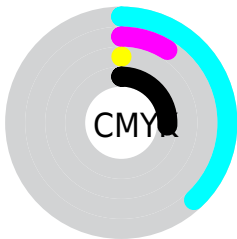
Blue (74%)



Red (46%)

Yellow (58%)

Blue (74%)

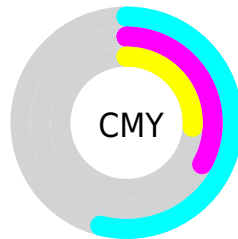


Cyan (38%)

Magenta (9%)

Yellow (0%)

Black (26%)



Cyan (54%)


Magenta (33%)


Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 36.9611, 0.2566, 0.3033 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 36.9611, 0.2566, 0.3033 by changing the saturation by 10% instead.

 36.9611, 0.2566,
0.3033


 36.9611, 0.2566,
0.3033

333.1421, 0.2852,
0.3171

 25.1774, 0.2493,
0.2995


 70.5130, 0.2671,
0.3085

 16.2093, 0.2400,
0.2945


 93.0499, 0.2710,
0.3104

 9.6723, 0.2274,
0.2876


 119.9400, 0.2743,
0.3120

 5.1823, 0.2097,
0.2772

151.5677, 0.2771,
0.3134

 2.3546, 0.1834,
0.2605

188.3173, 0.2795,
0.3145

 0.8024, 0.1250,
0.2336

230.5733, 0.2816,

 0.0000, 0.0000,

0.3155

0.0000

278.7201, 0.2835,
0.3163

■ 36.9611, 0.2566,
0.3033

■ 36.9611, 0.2566,
0.3033

■ 34.1145, 0.2437,
0.2953

■ 40.1318, 0.2706,
0.3108

■ 31.5711, 0.2322,
0.2870

■ 43.6375, 0.2852,
0.3178

■ 29.3141, 0.2223,
0.2784

■ 47.4937, 0.3003,
0.3242

■ 27.3228, 0.2142,
0.2697

■ 51.7137, 0.3156,
0.3301

■ 25.5731, 0.2081,
0.2610

■ 56.3100, 0.3307,
0.3353

■ 24.0277, 0.2038,
0.2524

■ 61.2943, 0.3456,
0.3400

■ 23.7485, 0.2030,
0.2508

■ 66.6780, 0.3600,
0.3441

■ 69.8888, 0.3635,
0.3484

■ 72.0891, 0.3623,
0.3529

Harmonies

Analogous

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



36.9611, 0.2664, 0.3301



36.9611, 0.2566, 0.3033



36.9611, 0.2609, 0.2854

Triad

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



36.9611, 0.2566, 0.3033



36.9611, 0.3361, 0.3021



36.9611, 0.3463, 0.3822

Complementary

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



36.9611, 0.2566, 0.3033



29.1407, 0.3962, 0.3529

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.



36.9611, 0.3667, 0.3713



36.9611, 0.2566, 0.3033



36.9611, 0.3609, 0.3252

Square

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



36.9611, 0.2566, 0.3033



36.9611, 0.3056, 0.2857



36.9611, 0.3723, 0.3502



36.9611, 0.3175, 0.3778

Rectangle

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



36.9611, 0.2566, 0.3033



36.9611, 0.2712, 0.2800



36.9611, 0.3723, 0.3502



36.9611, 0.3544, 0.3800

Sweetspot

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



36.9625, 0.2566, 0.3033



82.8764, 0.2957, 0.3223



41.8911, 0.2961, 0.4160



17.6189, 0.2937, 0.3215



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.



36.9625, 0.2566, 0.3033



61.7673, 0.2454, 0.2965



25.1106, 0.2482, 0.2459



10.4176, 0.2985, 0.3235



16.0998, 0.2033, 0.2519



0.7249, 0.2090, 0.2725

Inverse Universe

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



26.5120, 0.3358, 0.2559



41.0056, 0.3426, 0.2400



40.7747, 0.3779, 0.3999



9.6567, 0.3173, 0.3116



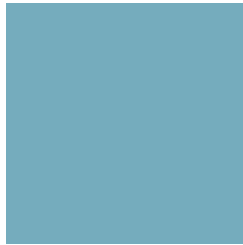
8.6550, 0.3903, 0.1924



0.3485, 0.3705, 0.1815

Previews

White Background



This preview shows how the Yxy color 36.9611, 0.2566, 0.3033 looks on a white background.

Color Contrast Check

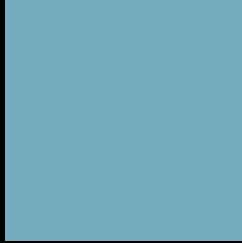
Large Text (above 18pt) WCAG AA × Fail

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 36.9611, 0.2566, 0.3033 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

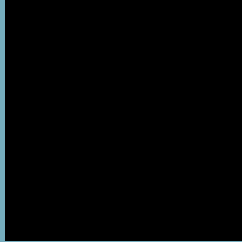
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.9611, 0.2566, 0.3033

Background



This preview shows how black text looks on a background with the Yxy color 36.9611, 0.2566, 0.3033.



This preview shows how white text looks on a background with the Yxy color 36.9611, 0.2566, 0.3033.

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

36.9611, 0.2566, 0.3033

Protanopia

36.6916, 0.2939, 0.3007

Deuteranopia

36.6014, 0.2902, 0.2837



Tritanopia

36.7632, 0.2579, 0.3076

Trichromacy



Original Color

36.9611, 0.2566, 0.3033

Protanomaly

36.7045, 0.2783, 0.3014

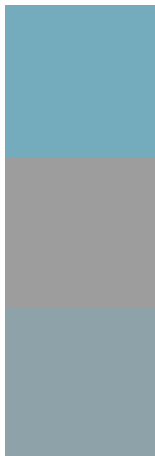
Deuteranomaly

36.6084, 0.2769, 0.2905

Tritanomaly

36.8059, 0.2572, 0.3062

Monochromacy



Original Color

36.9611, 0.2566, 0.3033

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 36.9611, 0.2566, 0.3033 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, 172, 189)` looks like.

```
.text, #text, p{  
    color:rgb(117, 172, 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, 172, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 172, 189) }
```

Border

The CSS property to change the border of an element to Yxy 36.9611, 0.2566, 0.3033 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, 172, 189) }
```

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

```
.border{ border-color:rgb(117, 172, 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, 172, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 172, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 172, 189);  
box-shadow:4px 4px 4px 4px rgb(117, 172,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 36.9611, 0.2566, 0.3033 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 172, 189) }
```

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

```
.background{ background-color: rgb(117,  
172, 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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