

Converting Colors

$Y_{xy}(37.1235, 0.2685, 0.2973)$

Have a look what the booklet for
Yxy(37.1235, 0.2685, 0.2973)
contains.

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Color

Yxy(36.9572, 0.2687, 0.2969)

Conversions

Conversions Part 1

Format	Color
Hex	88A8BE
RGB	136, 168, 190
RGB Percent	53%, 66%, 75%
CMY	0.4667, 0.3411, 0.2550
CMYK	0.28, 0.12, 0.00, 0.25
HSL	204°, 29%, 64%
HSV	204°, 28%, 75%
XYZ	33.4470, 36.9572, 54.0728
YIQ	160.9400, -26.1340, 0.0580

Conversions

Conversions Part 2

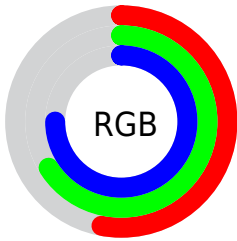
Format	Color
R_{YB}	136, 156, 190
Decimal	8956094
CIE _{Lab}	67.24, -5.81, -14.86
CIE _{LCh}	67, 15.952, 248.629
Yxy	36.9572, 0.2687, 0.2969
Android (android.graphics.Color)	4287146174 (0xFF88A8BE)
YUV	160.9400, 14.3266, -21.8724
Hunter-Lab	60.7924, -8.1791, -10.1817

Details

The Yxy color **36.9572, 0.2687, 0.2969** is a light color, and the websafe version is hex **669999**. A complement of this color would be **37.1624, 0.3660, 0.3590**, and the grayscale version is **35.5522, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.3763, 0.2769, 0.3033**, and **16.2282, 0.2555, 0.2859** is the 20% darker color. If you saturate the color by 10%, you get **32.7361, 0.2533, 0.2835**, and if you desaturate by 10%, it is **41.6329, 0.2843, 0.3092**.

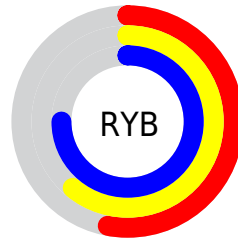
Distribution



Red (53%)

Green (66%)

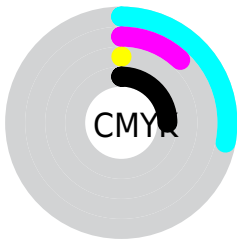
Blue (75%)



Red (53%)

Yellow (61%)

Blue (75%)

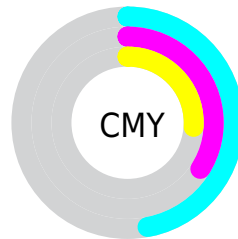


Cyan (28%)

Magenta (12%)

Yellow (0%)

Black (25%)



Cyan (47%)

Magenta (34%)

Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 36.9572, 0.2687, 0.2969 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 36.9572, 0.2687, 0.2969 by changing the saturation by 10% instead.

■ 36.9572, 0.2687,
0.2969

■ 36.9572, 0.2687,
0.2969

■ 333.1252, 0.2912,
0.3137

■ 25.1744, 0.2629,
0.2925

■ 70.5070, 0.2770,
0.3032

■ 16.2070, 0.2554,
0.2867

■ 93.0427, 0.2801,
0.3055

■ 9.6708, 0.2453,
0.2787

■ 119.9314, 0.2827,
0.3074

■ 5.1812, 0.2310,
0.2672

■ 151.5577, 0.2849,
0.3090

■ 2.3540, 0.2092,
0.2492

■ 188.3058, 0.2868,
0.3104

■ 0.8021, 0.1687,
0.2180

■ 230.5601, 0.2885,

■ 0.0000, 0.0000,

0.3117

0.0000

278.7051, 0.2899,
0.3127

■ 36.9572, 0.2687,
0.2969

■ 36.9572, 0.2687,
0.2969

■ 32.7361, 0.2533,
0.2835

■ 41.6329, 0.2843,
0.3092

■ 28.9473, 0.2385,
0.2692

■ 46.7755, 0.2999,
0.3204

■ 25.5732, 0.2247,
0.2541

■ 52.4021, 0.3151,
0.3305

■ 22.5925, 0.2124,
0.2385

■ 58.5274, 0.3298,
0.3395

■ 19.9817, 0.2018,
0.2228

■ 65.1657, 0.3438,
0.3475

■ 17.7136, 0.1934,
0.2072

■ 72.3305, 0.3571,
0.3545

■ 15.7460, 0.1870,
0.1920

■ 77.2867, 0.3591,
0.3619

■ 15.4527, 0.1860,
0.1896

■ 81.4914, 0.3572,
0.3695

■ 85.8869, 0.3554,
0.3769

Harmonies

Analogous

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



36.9572, 0.2683, 0.3138



36.9572, 0.2687, 0.2969



36.9572, 0.2804, 0.2892

Triad

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



36.9572, 0.2687, 0.2969



36.9572, 0.3470, 0.3209



36.9572, 0.3232, 0.3700

Complementary

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



36.9572, 0.2687, 0.2969



37.1624, 0.3660, 0.3590

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.



36.9572, 0.3451, 0.3704



36.9572, 0.2687, 0.2969



36.9572, 0.3593, 0.3412

Square

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



36.9572, 0.2687, 0.2969



36.9572, 0.3253, 0.3030



36.9572, 0.3585, 0.3595



36.9572, 0.2991, 0.3573

Rectangle

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



36.9572, 0.2687, 0.2969



36.9572, 0.2933, 0.2897



36.9572, 0.3585, 0.3595



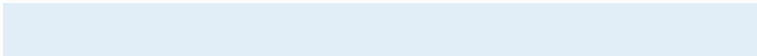
36.9572, 0.3311, 0.3716

Sweetspot

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



36.9587, 0.2687, 0.2969



84.0773, 0.2988, 0.3197



44.5055, 0.2937, 0.3768



18.1510, 0.2965, 0.3181



97.7402, 0.3127, 0.3290



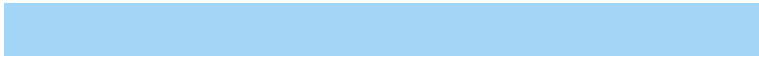
20.4902, 0.3127, 0.3290

Same Dimension

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



36.9587, 0.2687, 0.2969



62.2019, 0.2592, 0.2888



28.1154, 0.2645, 0.2562



10.1405, 0.2984, 0.3194



10.4350, 0.1866, 0.1916



0.5342, 0.1967, 0.2280

Inverse Universe

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



31.3778, 0.3384, 0.2862



50.9319, 0.3457, 0.2767



47.2440, 0.3568, 0.3926



9.6288, 0.3198, 0.3155



8.0831, 0.4549, 0.2280



0.3293, 0.4147, 0.2058

Previews

White Background



This preview shows how the Yxy color 36.9572, 0.2687, 0.2969 looks on a white background.

Color Contrast Check

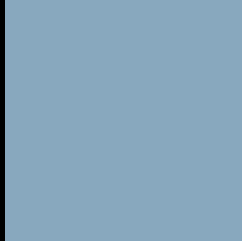
Large Text (above 18pt) WCAG AA × Fail

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 36.9572, 0.2687, 0.2969 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

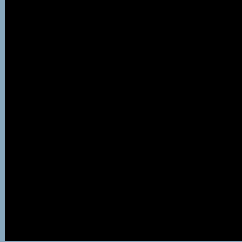
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

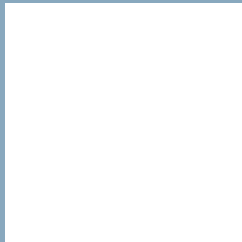
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 36.9572, 0.2687, 0.2969

Background



This preview shows how black text looks on a background with the Yxy color 36.9572, 0.2687, 0.2969.



This preview shows how white text looks on a background with the Yxy color 36.9572, 0.2687, 0.2969.

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

36.9572, 0.2687, 0.2969

Protanopia

36.7568, 0.2898, 0.2953

Deuteranopia

36.6014, 0.2902, 0.2837



Tritanopia

36.8632, 0.2722, 0.3081

Trichromacy



Original Color

36.9572, 0.2687, 0.2969

Protanomaly

36.7181, 0.2824, 0.2962

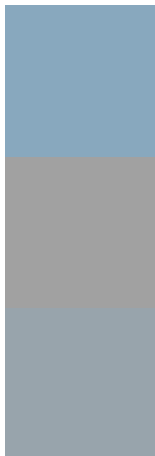
Deuteranomaly

36.4723, 0.2817, 0.2881

Tritanomaly

37.0720, 0.2709, 0.3039

Monochromacy



Original Color

36.9572, 0.2687, 0.2969

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

36.2049, 0.2950, 0.3173

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.9572, 0.2687, 0.2969 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(136, 168, 190)` looks like.

```
.text, #text, p{  
    color:rgb(136, 168, 190)  
}
```

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(136, 168, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 168, 190) }
```

Border

The CSS property to change the border of an element to Yxy 36.9572, 0.2687, 0.2969 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(136, 168, 190) }
```

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

```
.border{ border-color:rgb(136, 168, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 168, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 168, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 168, 190);  
box-shadow:4px 4px 4px 4px rgb(136, 168,  
190) }
```


Background

The CSS property to change the background color of an element to Yxy 36.9572, 0.2687, 0.2969 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 168, 190) }
```

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

```
.background{ background-color: rgb(136,  
168, 190) }
```

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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