

Converting Colors

$Y_{xy}(36.6320, 0.2413, 0.2940)$

Have a look what the booklet for
Yxy(36.6320, 0.2413, 0.2940)
contains.

Yxy(36.4693, 0.2413, 0.2939)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(36.4693, 0.2413, 0.2939)

Conversions

Conversions Part 1

Format	Color
Hex	62ADC4
RGB	98, 173, 196
RGB Percent	38%, 68%, 77%
CMY	0.6157, 0.3215, 0.2314
CMYK	0.50, 0.12, 0.00, 0.23
HSL	194°, 45%, 58%
HSV	194°, 50%, 77%
XYZ	29.9423, 36.4693, 57.6758
YIQ	153.1970, -52.0830, -8.7470

Conversions

Conversions Part 2

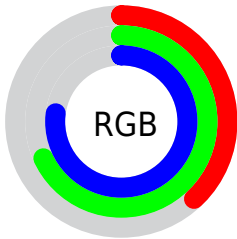
Format	Color
RYB	98, 140, 196
Decimal	6467012
CIELab	66.88, -17.01, -18.93
CIELCh	67, 25.454, 228.054
Yxy	36.4693, 0.2413, 0.2939
Android (android.graphics.Color)	4284657092 (0xFF62ADC4)
YUV	153.1970, 21.1019, -48.4078
Hunter-Lab	60.3898, -17.1788, -14.3526

Details

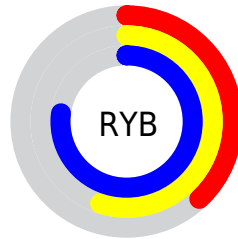
The Yxy color **36.4693, 0.2413, 0.2939** is a light color, and the websafe version is hex **669999**. A complement of this color would be **26.2845, 0.4354, 0.3599**, and the grayscale version is **31.8688, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.0005, 0.2542, 0.3012**, and **16.0211, 0.2208, 0.2834** is the 20% darker color. If you saturate the color by 10%, you get **33.7782, 0.2301, 0.2855**, and if you desaturate by 10%, it is **39.4907, 0.2540, 0.3019**.

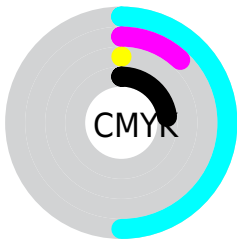
Distribution



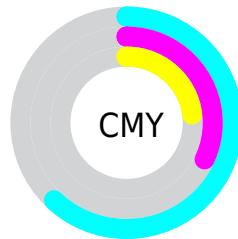
- Red (38%)
- Green (68%)
- Blue (77%)



- Red (38%)
- Yellow (55%)
- Blue (77%)



- Cyan (50%)
- Magenta (12%)
- Yellow (0%)
- Black (23%)



- Cyan (62%)
- Magenta (32%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 36.4693, 0.2413, 0.2939 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 36.4693, 0.2413, 0.2939 by changing the saturation by 10% instead.

■ 36.4693, 0.2413,
0.2939

■ 36.4693, 0.2413,
0.2939

■ 331.0071, 0.2774,
0.3128

■ 24.7969, 0.2322,
0.2888

■ 69.7558, 0.2545,
0.3011

■ 15.9258, 0.2206,
0.2819

■ 92.1387, 0.2594,
0.3037

■ 9.4716, 0.2052,
0.2724

■ 118.8605, 0.2636,
0.3059

■ 5.0501, 0.1839,
0.2584

■ 150.3056, 0.2672,
0.3077

■ 2.2767, 0.1530,
0.2363

■ 186.8584, 0.2702,
0.3093

■ 0.7613, 0.0816,
0.2016

■ 228.9033, 0.2729,

■ 0.0000, 0.0000,

0.3106

0.0000

276.8248, 0.2753,
0.3118

■ 36.4693, 0.2413,
0.2939

■ 36.4693, 0.2413,
0.2939

■ 33.7782, 0.2301,
0.2855

■ 39.4907, 0.2540,
0.3019

■ 31.3928, 0.2205,
0.2770

■ 42.8566, 0.2678,
0.3095

■ 29.2913, 0.2129,
0.2683

■ 46.5853, 0.2824,
0.3166

■ 27.4464, 0.2072,
0.2596

■ 50.6925, 0.2975,
0.3231

■ 25.8057, 0.2031,
0.2511

■ 55.1927, 0.3127,
0.3290

■ 25.8053, 0.2031,
0.2511

■ 60.0997, 0.3279,
0.3343

■ 65.4266, 0.3429,
0.3391

■ 71.1857, 0.3574,
0.3433

■ 73.5254, 0.3566,
0.3480

Harmonies

Analogous

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



36.4693, 0.2525, 0.3279



36.4693, 0.2413, 0.2939



36.4693, 0.2476, 0.2723

Triad

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



36.4693, 0.2413, 0.2939



36.4693, 0.3445, 0.2961



36.4693, 0.3537, 0.3979

Complementary

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



36.4693, 0.2413, 0.2939



26.2845, 0.4354, 0.3599

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.



36.4693, 0.3811, 0.3837



36.4693, 0.2413, 0.2939



36.4693, 0.3762, 0.3252

Square

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



36.4693, 0.2413, 0.2939



36.4693, 0.3052, 0.2751



36.4693, 0.3898, 0.3567



36.4693, 0.3164, 0.3919

Rectangle

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



36.4693, 0.2413, 0.2939



36.4693, 0.2610, 0.2665



36.4693, 0.3898, 0.3567



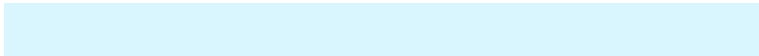
36.4693, 0.3645, 0.3952

Sweetspot

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



36.4707, 0.2413, 0.2939



87.8632, 0.2895, 0.3197



43.4465, 0.2921, 0.4497



18.4695, 0.2863, 0.3183



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



36.4707, 0.2413, 0.2939



60.7705, 0.2291, 0.2847



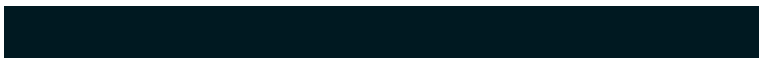
21.0286, 0.2259, 0.2138



11.0150, 0.2984, 0.3235



16.7209, 0.2034, 0.2523



0.8221, 0.2087, 0.2713

Inverse Universe

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



23.4860, 0.3453, 0.2339



35.8835, 0.3550, 0.2167



41.3105, 0.4008, 0.4212



10.2058, 0.3173, 0.3115



8.9702, 0.3900, 0.1922



0.3976, 0.3715, 0.1820

Previews

White Background



This preview shows how the Yxy color 36.4693, 0.2413, 0.2939 looks on a white background.

Color Contrast Check

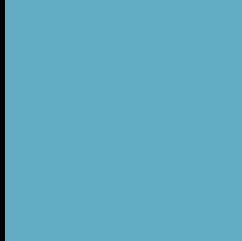
Large Text (above 18pt) WCAG AA × Fail

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 36.4693, 0.2413, 0.2939 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

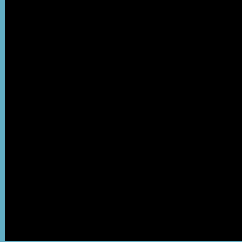
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.4693, 0.2413, 0.2939

Background



This preview shows how black text looks on a background with the Yxy color 36.4693, 0.2413, 0.2939.



This preview shows how white text looks on a background with the Yxy color 36.4693, 0.2413, 0.2939.

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

36.4693, 0.2413, 0.2939

Protanopia

36.2887, 0.2865, 0.2910

Deuteranopia

36.2907, 0.2795, 0.2741



Tritanopia

36.3358, 0.2445, 0.3071

Trichromacy



Original Color

36.4693, 0.2413, 0.2939

Protanomaly

35.9061, 0.2675, 0.2910

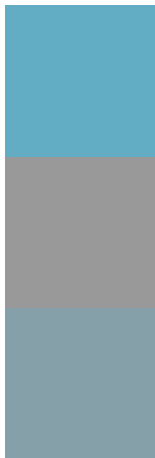
Deuteranomaly

35.9465, 0.2633, 0.2801

Tritanomaly

36.5205, 0.2433, 0.3026

Monochromacy



Original Color

36.4693, 0.2413, 0.2939

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

32.9927, 0.2807, 0.3150

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.4693, 0.2413, 0.2939 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(98, 173, 196)` looks like.

```
.text, #text, p{  
    color:rgb(98, 173, 196)  
}
```

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(98, 173, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 173, 196) }
```

Border

The CSS property to change the border of an element to Yxy 36.4693, 0.2413, 0.2939 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(98, 173, 196) }
```

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

```
.border{ border-color:rgb(98, 173, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 173, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 173, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 173, 196);  
box-shadow:4px 4px 4px 4px rgb(98, 173,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 36.4693, 0.2413, 0.2939 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 173, 196) }
```

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

```
.background{ background-color: rgb(98, 173,  
196) }
```

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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