

Converting Colors

$Y_{xy}(37.1967, 0.2425, 0.2985)$

Have a look what the booklet for
Yxy(37.1967, 0.2425, 0.2985)
contains.

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Color

Yxy(37.1967, 0.2425, 0.2985)

Conversions

Conversions Part 1

Format	Color
Hex	62AFC3
RGB	98, 175, 195
RGB Percent	38%, 69%, 76%
CMY	0.6155, 0.3137, 0.2354
CMYK	0.50, 0.10, 0.00, 0.24
HSL	192°, 45%, 57%
HSV	192°, 50%, 76%
XYZ	30.2184, 37.1967, 57.1969
YIQ	154.2570, -52.3120, -10.1040

Conversions

Conversions Part 2

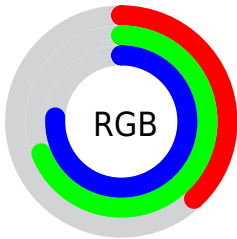
Format	Color
R _Y B	98, 141, 195
Decimal	6467523
CIE Lab	67.42, -18.33, -17.54
CIE LCh	67, 25.370, 223.735
Yxy	37.1967, 0.2425, 0.2985
Android (android.graphics.Color)	4284657603 (0xFF62AFC3)
YUV	154.2570, 20.0863, -49.3374
Hunter-Lab	60.9891, -18.2891, -12.9111

Details

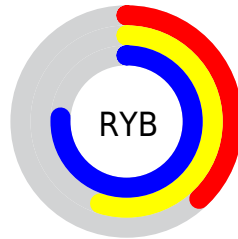
The Yxy color **37.1967, 0.2425, 0.2985** is a light color, and the websafe version is hex **669999**. A complement of this color would be **25.4435, 0.4364, 0.3560**, and the grayscale version is **32.3665, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.0501, 0.2550, 0.3047**, and **16.2355, 0.2220, 0.2877** is the 20% darker color. If you saturate the color by 10%, you get **34.7011, 0.2316, 0.2912**, and if you desaturate by 10%, it is **40.0058, 0.2549, 0.3055**.

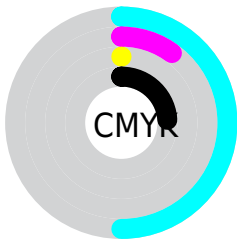
Distribution



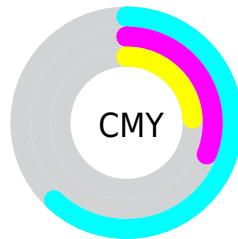
- Red (38%)
- Green (69%)
- Blue (76%)



- Red (38%)
- Yellow (55%)
- Blue (76%)



- Cyan (50%)
- Magenta (10%)
- Yellow (0%)
- Black (24%)





- Cyan (62%)
- Magenta (31%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.1967, 0.2425, 0.2985 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 37.1967, 0.2425, 0.2985 by changing the saturation by 10% instead.


 37.1967, 0.2425,
0.2985


 37.1967, 0.2425,
0.2985


334.1613, 0.2779,
0.3150

 25.3598, 0.2336,
0.2940


 70.8752, 0.2554,
0.3048


 16.3453, 0.2222,
0.2879


 93.4856, 0.2603,
0.3071

 9.7689, 0.2071,
0.2795


 120.4560, 0.2644,
0.3090

 5.2460, 0.1863,
0.2670

 152.1708, 0.2679,
0.3106

 2.3923, 0.1561,
0.2470

189.0143, 0.2709,
0.3119

 0.8219, 0.0878,
0.2162

231.3710, 0.2735,

 0.0000, 0.0000,

0.3131

0.0000

279.6252, 0.2759,
0.3141

■ 37.1967, 0.2425,
0.2985

■ 37.1967, 0.2425,
0.2985

■ 34.7011, 0.2316,
0.2912

■ 40.0058, 0.2549,
0.3055

■ 32.4949, 0.2224,
0.2838

■ 43.1422, 0.2685,
0.3121

■ 30.5568, 0.2151,
0.2763

■ 46.6236, 0.2829,
0.3183

■ 28.8603, 0.2098,
0.2688

■ 50.4653, 0.2979,
0.3240

■ 27.3560, 0.2060,
0.2614

■ 54.6815, 0.3132,
0.3291

■ 27.3131, 0.2059,
0.2611

■ 59.2856, 0.3284,
0.3338

■ 64.2903, 0.3435,
0.3380

■ 69.7076, 0.3582,
0.3417

■ 71.8642, 0.3581,
0.3458

Harmonies

Analogous

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



37.1967, 0.2561, 0.3334



37.1967, 0.2425, 0.2985



37.1967, 0.2462, 0.2750

Triad

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



37.1967, 0.2425, 0.2985



37.1967, 0.3388, 0.2928



37.1967, 0.3581, 0.3963

Complementary

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



37.1967, 0.2425, 0.2985



25.4435, 0.4364, 0.3560

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.



37.1967, 0.3829, 0.3799



37.1967, 0.2425, 0.2985



37.1967, 0.3720, 0.3208

Square

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



37.1967, 0.2425, 0.2985



37.1967, 0.2998, 0.2735



37.1967, 0.3884, 0.3521



37.1967, 0.3219, 0.3935

Rectangle

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



37.1967, 0.2425, 0.2985



37.1967, 0.2580, 0.2678



37.1967, 0.3884, 0.3521



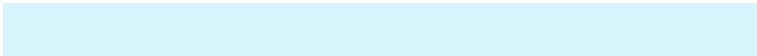
37.1967, 0.3681, 0.3927

Sweetspot

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



37.1981, 0.2425, 0.2985



86.5325, 0.2896, 0.3209



42.9102, 0.2941, 0.4542



18.6307, 0.2864, 0.3196



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.



37.1981, 0.2425, 0.2985



61.6620, 0.2304, 0.2903



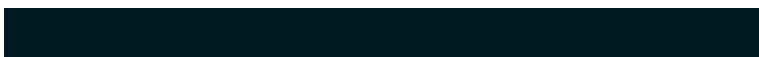
21.7508, 0.2275, 0.2200



11.0646, 0.2984, 0.3241



17.8816, 0.2062, 0.2622



0.8637, 0.2108, 0.2787

Inverse Universe

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



23.4389, 0.3416, 0.2314



35.3163, 0.3503, 0.2131



39.7147, 0.4023, 0.4169



10.2108, 0.3168, 0.3109



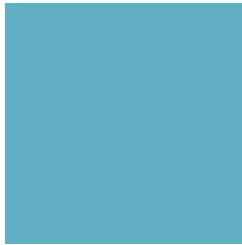
9.0874, 0.3803, 0.1869



0.4018, 0.3647, 0.1783

Previews

White Background



This preview shows how the Yxy color 37.1967, 0.2425, 0.2985 looks on a white background.

Color Contrast Check

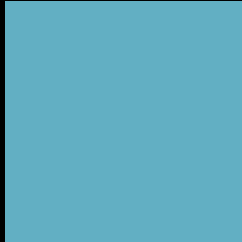
Large Text (above 18pt) WCAG AA × Fail

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 37.1967, 0.2425, 0.2985 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

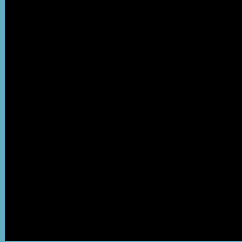
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.1967, 0.2425, 0.2985

Background



This preview shows how black text looks on a background with the Yxy color 37.1967, 0.2425, 0.2985.



This preview shows how white text looks on a background with the Yxy color 37.1967, 0.2425, 0.2985.

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

37.1967, 0.2425, 0.2985

Protanopia

36.7568, 0.2898, 0.2953

Deuteranopia

36.9002, 0.2829, 0.2772



Tritanopia

37.2552, 0.2445, 0.3073

Trichromacy



Original Color

37.1967, 0.2425, 0.2985

Protanomaly

36.6299, 0.2700, 0.2968

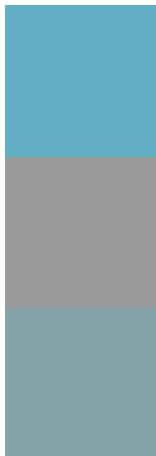
Deuteranomaly

36.4305, 0.2657, 0.2831

Tritanomaly

37.3978, 0.2439, 0.3044

Monochromacy



Original Color

37.1967, 0.2425, 0.2985

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

33.7736, 0.2818, 0.3181

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.1967, 0.2425, 0.2985 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, 175, 195)` looks like.

```
.text, #text, p{  
    color:rgb(98, 175, 195)  
}
```

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, 175, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 175, 195) }
```

Border

The CSS property to change the border of an element to Yxy 37.1967, 0.2425, 0.2985 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, 175, 195) }
```

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

```
.border{ border-color:rgb(98, 175, 195) }
```

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

Here you see how a box with a 4 pixel rgb(98, 175, 195) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 175, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 175, 195);  
box-shadow:4px 4px 4px 4px rgb(98, 175,  
195) }
```


Background

The CSS property to change the background color of an element to Yxy 37.1967, 0.2425, 0.2985 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 175, 195) }
```

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

```
.background{ background-color: rgb(98, 175,  
195) }
```

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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