

Converting Colors

$Y_{xy}(37.5372, 0.2450, 0.2965)$

Have a look what the booklet for
Yxy(37.5372, 0.2450, 0.2965)
contains.

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Color

Yxy(37.5885, 0.2452, 0.2973)

Conversions

Conversions Part 1

Format	Color
Hex	68AFC4
RGB	104, 175, 196
RGB Percent	41%, 69%, 77%
CMY	0.5922, 0.3137, 0.2314
CMYK	0.47, 0.11, 0.00, 0.23
HSL	194°, 44%, 59%
HSV	194°, 47%, 77%
XYZ	31.0013, 37.5885, 57.8430
YIQ	156.1650, -49.0570, -8.5210

Conversions

Conversions Part 2

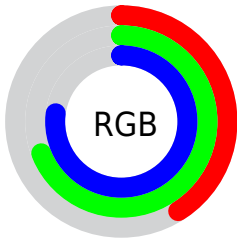
Format	Color
RYB	104, 144, 196
Decimal	6860740
CIELab	67.72, -16.67, -17.64
CIELCh	68, 24.269, 226.627
Yxy	37.5885, 0.2452, 0.2973
Android (android.graphics.Color)	4285050820 (0xFF68AFC4)
YUV	156.1650, 19.6387, -45.7487
Hunter-Lab	61.3095, -17.0324, -13.0211

Details

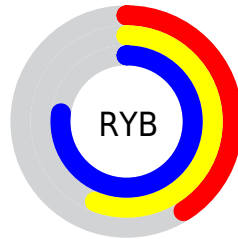
The Yxy color **37.5885, 0.2452, 0.2973** is a light color, and the websafe version is hex **669999**. A complement of this color would be **27.3980, 0.4252, 0.3574**, and the grayscale version is **33.2502, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.7173, 0.2575, 0.3038**, and **16.4529, 0.2255, 0.2861** is the 20% darker color. If you saturate the color by 10%, you get **34.8382, 0.2336, 0.2893**, and if you desaturate by 10%, it is **40.6719, 0.2582, 0.3050**.

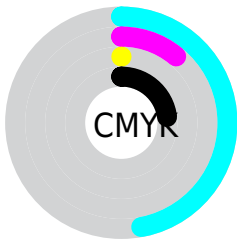
Distribution



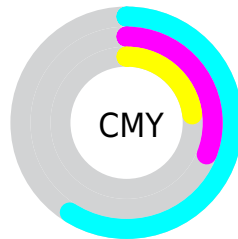
- Red (41%)
- Green (69%)
- Blue (77%)



- Red (41%)
- Yellow (56%)
- Blue (77%)



- Cyan (47%)
- Magenta (11%)
- Yellow (0%)
- Black (23%)





- Cyan (59%)
- Magenta (31%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.5885, 0.2452, 0.2973 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 37.5885, 0.2452, 0.2973 by changing the saturation by 10% instead.


 37.5885, 0.2452,
0.2973


 37.5885, 0.2452,
0.2973


335.8514, 0.2793,
0.3143

 25.6635, 0.2367,
0.2927


 71.4770, 0.2576,
0.3038


 16.5720, 0.2257,
0.2865

 94.2092, 0.2623,
0.3061

 9.9298, 0.2112,
0.2780


 121.3126, 0.2662,
0.3081

 5.3525, 0.1912,
0.2655

 153.1716, 0.2696,
0.3097

 2.4555, 0.1620,
0.2456

190.1706, 0.2725,
0.3111

 0.8542, 0.1016,
0.2142

232.6940, 0.2750,

 0.0000, 0.0000,

0.3123

0.0000

281.1261, 0.2773,
0.3134

■ 37.5885, 0.2452,
0.2973

■ 37.5885, 0.2452,
0.2973

■ 34.8382, 0.2336,
0.2893

■ 40.6719, 0.2582,
0.3050

■ 32.3969, 0.2236,
0.2810

■ 44.1019, 0.2722,
0.3122

■ 30.2439, 0.2154,
0.2726

■ 47.8964, 0.2870,
0.3189

■ 28.3534, 0.2092,
0.2642

■ 52.0706, 0.3021,
0.3251

■ 26.6907, 0.2049,
0.2559

■ 56.6389, 0.3174,
0.3307

■ 26.2081, 0.2037,
0.2533

■ 61.6147, 0.3326,
0.3357

■ 67.0108, 0.3474,
0.3401

■ 71.7245, 0.3574,
0.3443

■ 73.9745, 0.3564,
0.3488

Harmonies

Analogous

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



37.5885, 0.2567, 0.3298



37.5885, 0.2452, 0.2973



37.5885, 0.2503, 0.2761

Triad

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



37.5885, 0.2452, 0.2973



37.5885, 0.3411, 0.2967



37.5885, 0.3531, 0.3938

Complementary

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



37.5885, 0.2452, 0.2973



27.3980, 0.4252, 0.3574

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.



37.5885, 0.3781, 0.3798



37.5885, 0.2452, 0.2973



37.5885, 0.3715, 0.3241

Square

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



37.5885, 0.2452, 0.2973



37.5885, 0.3040, 0.2772



37.5885, 0.3853, 0.3540



37.5885, 0.3180, 0.3889

Rectangle

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



37.5885, 0.2452, 0.2973



37.5885, 0.2627, 0.2700



37.5885, 0.3853, 0.3540



37.5885, 0.3630, 0.3910

Sweetspot

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



37.5899, 0.2452, 0.2973



88.7593, 0.2911, 0.3206



43.8743, 0.2939, 0.4435



18.6545, 0.2878, 0.3192



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.



37.5899, 0.2452, 0.2973



63.1432, 0.2336, 0.2893



22.9095, 0.2321, 0.2247



11.0261, 0.2984, 0.3236



16.9752, 0.2040, 0.2545



0.8313, 0.2092, 0.2730

Inverse Universe

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



24.7300, 0.3420, 0.2386



38.1889, 0.3504, 0.2219



41.4574, 0.3959, 0.4142



10.2069, 0.3172, 0.3114



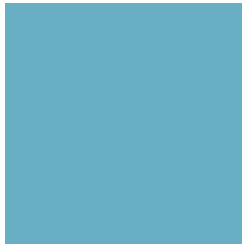
8.9959, 0.3878, 0.1910



0.3986, 0.3700, 0.1812

Previews

White Background



This preview shows how the Yxy color 37.5885, 0.2452, 0.2973 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 37.5885, 0.2452, 0.2973 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

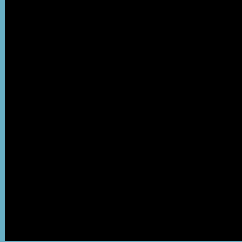
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.5885, 0.2452, 0.2973

Background



This preview shows how black text looks on a background with the Yxy color 37.5885, 0.2452, 0.2973.



This preview shows how white text looks on a background with the Yxy color 37.5885, 0.2452, 0.2973.

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

37.5885, 0.2452, 0.2973

Protanopia

37.2988, 0.2892, 0.2941

Deuteranopia

37.3998, 0.2831, 0.2775



Tritanopia

37.5932, 0.2478, 0.3075

Trichromacy



Original Color

37.5885, 0.2452, 0.2973

Protanomaly

36.9745, 0.2709, 0.2943

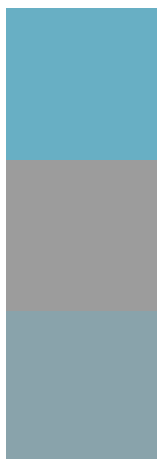
Deuteranomaly

37.1004, 0.2674, 0.2836

Tritanomaly

37.7400, 0.2472, 0.3046

Monochromacy



Original Color

37.5885, 0.2452, 0.2973

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

34.4530, 0.2828, 0.3167

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.5885, 0.2452, 0.2973 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(104, 175, 196)` looks like.

```
.text, #text, p{  
    color:rgb(104, 175, 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(104, 175, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 175, 196) }
```

Border

The CSS property to change the border of an element to Yxy 37.5885, 0.2452, 0.2973 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(104, 175, 196) }
```

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

```
.border{ border-color:rgb(104, 175, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 175, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 175, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 175, 196);  
box-shadow:4px 4px 4px 4px rgb(104, 175,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 37.5885, 0.2452, 0.2973 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 175, 196) }
```

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

```
.background{ background-color: rgb(104,  
175, 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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