

Converting Colors

$Y_{xy}(37.4535, 0.2392, 0.2685)$

Have a look what the booklet for
Yxy(37.4535, 0.2392, 0.2685)
contains.

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Color

Yxy(37.3747, 0.2392, 0.2688)

Conversions

Conversions Part 1

Format	Color
Hex	70ABD5
RGB	112, 171, 213
RGB Percent	44%, 67%, 84%
CMY	0.5606, 0.3294, 0.1647
CMYK	0.47, 0.20, 0.00, 0.16
HSL	205°, 55%, 64%
HSV	205°, 47%, 84%
XYZ	33.2590, 37.3747, 68.4090
YIQ	158.1470, -48.6460, 0.5540

Conversions

Conversions Part 2

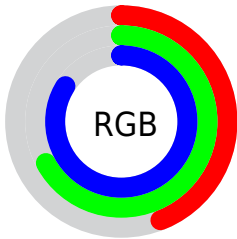
Format	Color
R _Y B	112, 149, 213
Decimal	7384021
CIE Lab	67.56, -7.82, -27.23
CIE LCh	68, 28.333, 253.975
Yxy	37.3747, 0.2392, 0.2688
Android (android.graphics.Color)	4285574101 (0xFF70ABD5)
YUV	158.1470, 27.0425, -40.4709
Hunter-Lab	61.1349, -9.8771, -23.5503

Details

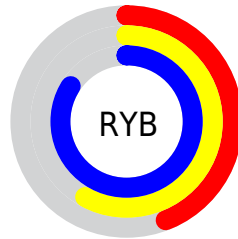
The Yxy color **37.3747, 0.2392, 0.2688** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **38.4443, 0.4154, 0.3809**, and the grayscale version is **34.1589, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.9375, 0.2599, 0.2961**, and **16.4745, 0.2187, 0.2512** is the 20% darker color. If you saturate the color by 10%, you get **32.9031, 0.2251, 0.2533**, and if you desaturate by 10%, it is **42.4041, 0.2543, 0.2835**.

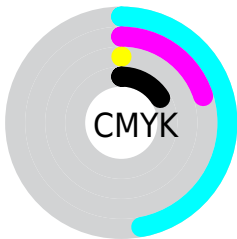
Distribution



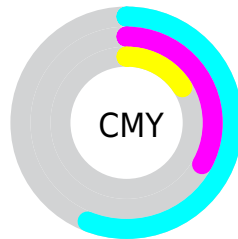
- Red (44%)
- Green (67%)
- Blue (84%)



- Red (44%)
- Yellow (58%)
- Blue (84%)



- Cyan (47%)
- Magenta (20%)
- Yellow (0%)
- Black (16%)




- Cyan (56%)
- Magenta (33%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.3747, 0.2392, 0.2688 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 37.3747, 0.2392, 0.2688 by changing the saturation by 10% instead.


 37.3747, 0.2392,
0.2688


 37.3747, 0.2392,
0.2688


334.9299, 0.2762,
0.2999

 25.4977, 0.2300,
0.2609


 71.1487, 0.2526,
0.2802

 16.4483, 0.2184,
0.2506


 93.8145, 0.2577,
0.2845

 9.8419, 0.2030,
0.2369


 120.8454, 0.2619,
0.2881

 5.2943, 0.1822,
0.2178

152.6258, 0.2656,
0.2911

 2.4209, 0.1527,
0.1898

189.5401, 0.2688,
0.2938

 0.8366, 0.1062,
0.1470

231.9726, 0.2715,

 0.0000, 0.0000,

0.2961

0.0000

280.3077, 0.2740,
0.2981

■ 37.3747, 0.2392,
0.2688

■ 37.3747, 0.2392,
0.2688

■ 32.9031, 0.2251,
0.2533

■ 42.4041, 0.2543,
0.2835

■ 28.9571, 0.2125,
0.2372

■ 48.0126, 0.2699,
0.2972

■ 25.5067, 0.2016,
0.2210

■ 54.2253, 0.2857,
0.3098

■ 22.5160, 0.1929,
0.2049

■ 61.0645, 0.3014,
0.3213

■ 19.9373, 0.1864,
0.1893

■ 68.5509, 0.3166,
0.3316

■ 19.3136, 0.1848,
0.1853

■ 76.7043, 0.3314,
0.3407

■ 84.3590, 0.3410,
0.3491

■ 89.5042, 0.3396,
0.3577

■ 94.9051, 0.3382,
0.3661

Harmonies

Analogous

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



37.3747, 0.2349, 0.2944



37.3747, 0.2392, 0.2688



37.3747, 0.2616, 0.2601

Triad

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



37.3747, 0.2392, 0.2688



37.3747, 0.3791, 0.3199



37.3747, 0.3223, 0.4013

Complementary

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



37.3747, 0.2392, 0.2688



38.4443, 0.4154, 0.3809

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.



37.3747, 0.3627, 0.4042



37.3747, 0.2392, 0.2688



37.3747, 0.3973, 0.3543

Square

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



37.3747, 0.2392, 0.2688



37.3747, 0.3420, 0.2891



37.3747, 0.3907, 0.3854



37.3747, 0.2810, 0.3743

Rectangle

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



37.3747, 0.2392, 0.2688



37.3747, 0.2850, 0.2635



37.3747, 0.3907, 0.3854



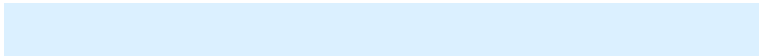
37.3747, 0.3364, 0.4051

Sweetspot

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



37.3761, 0.2392, 0.2688



84.7331, 0.2908, 0.3137



53.3159, 0.2832, 0.4173



17.6695, 0.2874, 0.3111



0.0000, 0.0000, 0.0000



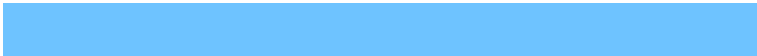
21.4041, 0.3127, 0.3290

Same Dimension

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



37.3761, 0.2392, 0.2688



49.3301, 0.2249, 0.2530



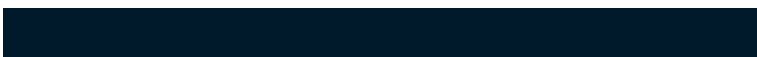
22.2063, 0.2257, 0.1952



13.2015, 0.2982, 0.3191



12.0039, 0.1854, 0.1875



0.8857, 0.1929, 0.2144

Inverse Universe

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



28.6849, 0.3650, 0.2580



36.2551, 0.3818, 0.2446



57.9822, 0.3873, 0.4343



12.5412, 0.3201, 0.3155



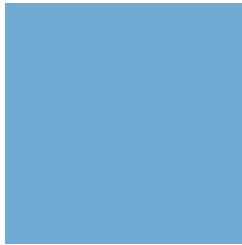
9.5566, 0.4597, 0.2306



0.5927, 0.4293, 0.2138

Previews

White Background



This preview shows how the Yxy color 37.3747, 0.2392, 0.2688 looks on a white background.

Color Contrast Check

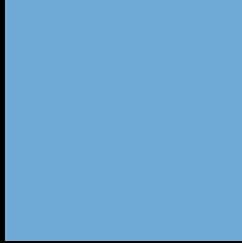
Large Text (above 18pt) WCAG AA × Fail

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 37.3747, 0.2392, 0.2688 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

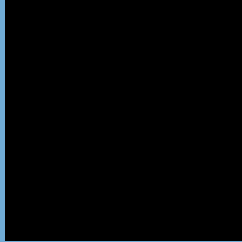
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

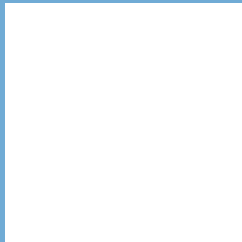
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 37.3747, 0.2392, 0.2688

Background



This preview shows how black text looks on a background with the Yxy color 37.3747, 0.2392, 0.2688.



This preview shows how white text looks on a background with the Yxy color 37.3747, 0.2392, 0.2688.

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

37.3747, 0.2392, 0.2688

Protanopia

37.1180, 0.2691, 0.2677

Deuteranopia

37.0714, 0.2627, 0.2566



Tritanopia

37.3373, 0.2499, 0.3075

Trichromacy



Original Color

37.3747, 0.2392, 0.2688

Protanomaly

36.9170, 0.2570, 0.2676

Deuteranomaly

37.0837, 0.2531, 0.2614

Tritanomaly

37.5375, 0.2461, 0.2931

Monochromacy



Original Color

37.3747, 0.2392, 0.2688

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

35.0715, 0.2808, 0.3066

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.3747, 0.2392, 0.2688 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(112, 171, 213)` looks like.

```
.text, #text, p{  
    color:rgb(112, 171, 213)  
}
```

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(112, 171, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 171, 213) }
```

Border

The CSS property to change the border of an element to Yxy 37.3747, 0.2392, 0.2688 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(112, 171, 213) }
```

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

```
.border{ border-color:rgb(112, 171, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 171, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 171, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 171, 213);  
box-shadow:4px 4px 4px 4px rgb(112, 171,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 37.3747, 0.2392, 0.2688 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 171, 213) }
```

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

```
.background{ background-color: rgb(112,  
171, 213) }
```

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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