

Converting Colors

$Yxy(37.3562, 0.2468, 0.2837)$

Have a look what the booklet for
Yxy(37.3562, 0.2468, 0.2837)
contains.

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Color

Yxy(37.4617, 0.2468, 0.2836)

Conversions

Conversions Part 1

Format	Color
Hex	73ACCB
RGB	115, 172, 203
RGB Percent	45%, 67%, 80%
CMY	0.5492, 0.3255, 0.2038
CMYK	0.43, 0.15, 0.00, 0.20
HSL	201°, 46%, 62%
HSV	201°, 43%, 80%
XYZ	32.6007, 37.4617, 62.0311
YIQ	158.4910, -43.9230, -2.4430

Conversions

Conversions Part 2

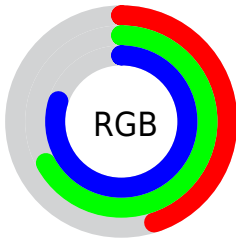
Format	Color
RYB	115, 150, 203
Decimal	7580875
CIELab	67.62, -10.44, -21.62
CIElCh	68, 24.011, 244.224
Yxy	37.4617, 0.2468, 0.2836
Android (android.graphics.Color)	4285770955 (0xFF73ACCB)
YUV	158.4910, 21.9429, -38.1416
Hunter-Lab	61.2060, -12.0344, -17.2451

Details

The Yxy color **37.4617, 0.2468, 0.2836** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **34.4899, 0.4071, 0.3694**, and the grayscale version is **34.3372, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.7042, 0.2611, 0.2973**, and **16.5635, 0.2279, 0.2695** is the 20% darker color. If you saturate the color by 10%, you get **33.5859, 0.2331, 0.2709**, and if you desaturate by 10%, it is **41.7899, 0.2615, 0.2956**.

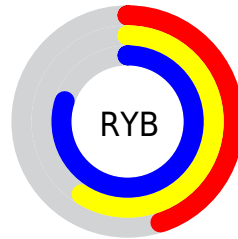
Distribution



Red (45%)

Green (67%)

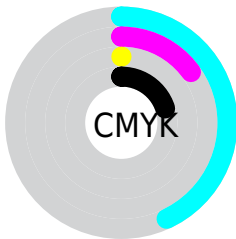
Blue (80%)



Red (45%)

Yellow (59%)

Blue (80%)

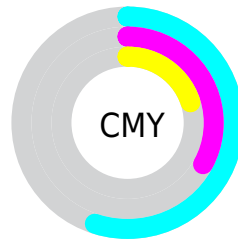


Cyan (43%)

Magenta (15%)

Yellow (0%)

Black (20%)



Cyan (55%)

Magenta (33%)

Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.4617, 0.2468, 0.2836 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 37.4617, 0.2468, 0.2836 by changing the saturation by 10% instead.

■ 37.4617, 0.2468,
0.2836

■ 37.4617, 0.2468,
0.2836

■ 335.3051, 0.2801,
0.3074

■ 25.5652, 0.2385,
0.2774

■ 71.2823, 0.2589,
0.2925

■ 16.4986, 0.2278,
0.2693

■ 93.9752, 0.2635,
0.2957

■ 9.8777, 0.2136,
0.2582

■ 121.0356, 0.2673,
0.2985

■ 5.3179, 0.1941,
0.2425

■ 152.8480, 0.2706,
0.3008

■ 2.4350, 0.1659,
0.2185

■ 189.7968, 0.2735,
0.3028

■ 0.8438, 0.1167,
0.1799

■ 232.2663, 0.2759,

■ 0.0000, 0.0000,

0.3045

0.0000

280.6409, 0.2781,
0.3060

■ 37.4617, 0.2468,
0.2836

■ 37.4617, 0.2468,
0.2836

■ 33.5859, 0.2331,
0.2709

■ 41.7899, 0.2615,
0.2956

■ 30.1359, 0.2208,
0.2577

■ 46.5868, 0.2767,
0.3067

■ 27.0882, 0.2101,
0.2442

■ 51.8728, 0.2922,
0.3169

■ 24.4144, 0.2014,
0.2307

■ 57.6657, 0.3076,
0.3261

■ 22.0806, 0.1948,
0.2173

■ 63.9823, 0.3227,
0.3344

■ 20.6841, 0.1913,
0.2086

■ 70.8385, 0.3373,
0.3418

■ 77.8528, 0.3498,
0.3484

■ 81.7345, 0.3484,
0.3555

■ 85.7793, 0.3470,
0.3625

Harmonies

Analogous

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



37.4617, 0.2486, 0.3100



37.4617, 0.2468, 0.2836



37.4617, 0.2613, 0.2709

Triad

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



37.4617, 0.2468, 0.2836



37.4617, 0.3600, 0.3123



37.4617, 0.3329, 0.3928

Complementary

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



37.4617, 0.2468, 0.2836



34.4899, 0.4071, 0.3694

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.



37.4617, 0.3647, 0.3894



37.4617, 0.2468, 0.2836



37.4617, 0.3814, 0.3417

Square

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



37.4617, 0.2468, 0.2836



37.4617, 0.3258, 0.2878



37.4617, 0.3829, 0.3698



37.4617, 0.2970, 0.3762

Rectangle

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



37.4617, 0.2468, 0.2836



37.4617, 0.2789, 0.2707



37.4617, 0.3829, 0.3698



37.4617, 0.3445, 0.3939

Sweetspot

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



37.4631, 0.2468, 0.2836



87.0206, 0.2925, 0.3170



48.4370, 0.2879, 0.4150



18.1860, 0.2890, 0.3149



0.0000, 0.0000, 0.0000



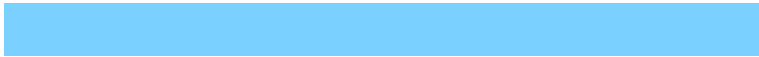
21.4041, 0.3127, 0.3290

Same Dimension

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



37.4631, 0.2468, 0.2836



56.6409, 0.2340, 0.2718



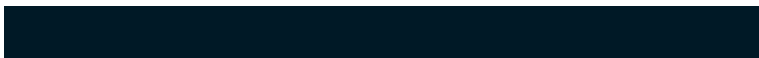
23.4379, 0.2354, 0.2156



12.0361, 0.2983, 0.3206



13.3356, 0.1918, 0.2104



0.8273, 0.1990, 0.2362

Inverse Universe

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



27.9317, 0.3520, 0.2573



39.8459, 0.3640, 0.2431



50.6866, 0.3831, 0.4212



11.3340, 0.3191, 0.3141



9.1492, 0.4337, 0.2163



0.4861, 0.4062, 0.2011

Previews

White Background



This preview shows how the Yxy color 37.4617, 0.2468, 0.2836 looks on a white background.

Color Contrast Check

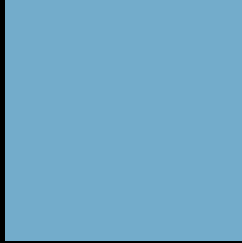
Large Text (above 18pt) WCAG AA × Fail

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 37.4617, 0.2468, 0.2836 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 37.4617, 0.2468, 0.2836

Background



This preview shows how black text looks on a background with the Yxy color 37.4617, 0.2468, 0.2836.

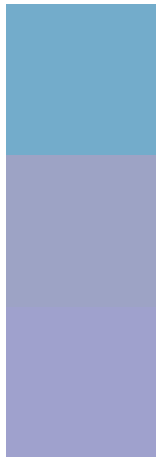


This preview shows how white text looks on a background with the Yxy color 37.4617, 0.2468, 0.2836.

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

37.4617, 0.2468, 0.2836

Protanopia

37.3937, 0.2797, 0.2821

Deuteranopia

37.2684, 0.2753, 0.2695



Tritanopia

37.3257, 0.2532, 0.3061

Trichromacy



Original Color

37.4617, 0.2468, 0.2836

Protanomaly

37.1467, 0.2667, 0.2823

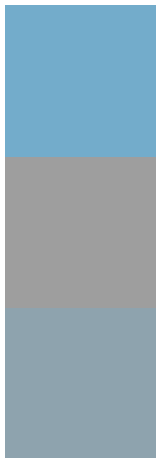
Deuteranomaly

37.1095, 0.2639, 0.2745

Tritanomaly

37.2269, 0.2506, 0.2974

Monochromacy



Original Color

37.4617, 0.2468, 0.2836

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

35.0012, 0.2847, 0.3125

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.4617, 0.2468, 0.2836 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(115, 172, 203)` looks like.

```
.text, #text, p{  
    color:rgb(115, 172, 203)  
}
```

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(115, 172, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 172, 203) }
```

Border

The CSS property to change the border of an element to Yxy 37.4617, 0.2468, 0.2836 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(115, 172, 203) }
```

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

```
.border{ border-color:rgb(115, 172, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 172, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 172, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 172, 203);  
box-shadow:4px 4px 4px 4px rgb(115, 172,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 37.4617, 0.2468, 0.2836 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 172, 203) }
```

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

```
.background{ background-color: rgb(115,  
172, 203) }
```

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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