

Converting Colors

$Y_{xy}(37.5082, 0.2417, 0.3011)$

Have a look what the booklet for
Yxy(37.5082, 0.2417, 0.3011)
contains.

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Color

Yxy(37.3786, 0.2417, 0.3014)

Conversions

Conversions Part 1

Format	Color
Hex	5FB0C2
RGB	95, 176, 194
RGB Percent	37%, 69%, 76%
CMY	0.6277, 0.3097, 0.2393
CMYK	0.51, 0.09, 0.00, 0.24
HSL	191°, 45%, 57%
HSV	191°, 51%, 76%
XYZ	29.9748, 37.3786, 56.6632
YIQ	153.8330, -54.0540, -11.5740

Conversions

Conversions Part 2

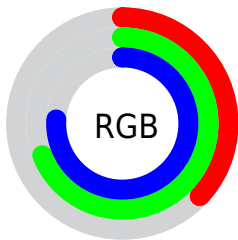
Format	Color
RYB	95, 140, 194
Decimal	6271170
CIELab	67.56, -19.84, -16.80
CIElCh	68, 25.995, 220.266
Yxy	37.3786, 0.2417, 0.3014
Android (android.graphics.Color)	4284461250 (0xFF5FB0C2)
YUV	153.8330, 19.8023, -51.5965
Hunter-Lab	61.1380, -19.4764, -12.1538

Details

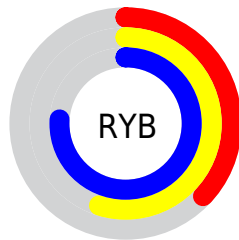
The Yxy color **37.3786, 0.2417, 0.3014** is a light color, and the websafe version is hex **669999**. The color can be described as light muted azure. A complement of this color would be **24.0793, 0.4432, 0.3534**, and the grayscale version is **32.1603, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.3537, 0.2547, 0.3069**, and **16.3664, 0.2213, 0.2918** is the 20% darker color. If you saturate the color by 10%, you get **35.1060, 0.2313, 0.2950**, and if you desaturate by 10%, it is **39.9483, 0.2536, 0.3075**.

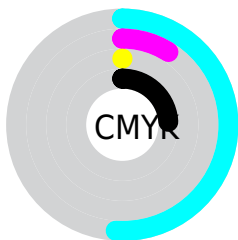
Distribution



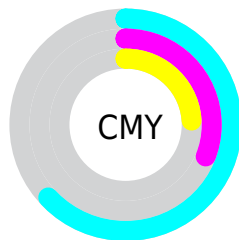
- Red (37%)
- Green (69%)
- Blue (76%)



- Red (37%)
- Yellow (55%)
- Blue (76%)



- Cyan (51%)
- Magenta (9%)
- Yellow (0%)
- Black (24%)



- Cyan (63%)
- Magenta (31%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.3786, 0.2417, 0.3014 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 37.3786, 0.2417, 0.3014 by changing the saturation by 10% instead.

37.3786, 0.2417,
0.3014

37.3786, 0.2417,
0.3014

334.9468, 0.2775,
0.3165

25.5008, 0.2327,
0.2972

71.1547, 0.2548,
0.3072

16.4505, 0.2212,
0.2916

93.8217, 0.2596,
0.3093

9.8435, 0.2060,
0.2838

120.8540, 0.2638,
0.3110

5.2953, 0.1850,
0.2721

152.6358, 0.2673,
0.3124

2.4216, 0.1546,
0.2532

189.5516, 0.2704,
0.3137

0.8370, 0.0836,
0.2247

231.9857, 0.2731,

0.0000, 0.0000,

0.3148

0.0000

280.3227, 0.2754,
0.3157

■ 37.3786, 0.2417,
0.3014

■ 37.3786, 0.2417,
0.3014

■ 35.1060, 0.2313,
0.2950

■ 39.9483, 0.2536,
0.3075

■ 33.1065, 0.2228,
0.2885

■ 42.8288, 0.2668,
0.3134

■ 31.3589, 0.2161,
0.2820

■ 46.0377, 0.2810,
0.3188

■ 29.8362, 0.2113,
0.2755

■ 49.5901, 0.2959,
0.3239

■ 28.6203, 0.2083,
0.2697

■ 53.5001, 0.3111,
0.3285

■ 57.7808, 0.3264,
0.3327

■ 62.4448, 0.3416,
0.3365

■ 67.5039, 0.3566,
0.3398

■ 70.1120, 0.3596,
0.3433

Harmonies

Analogous

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



37.3786, 0.2575, 0.3379



37.3786, 0.2417, 0.3014



37.3786, 0.2434, 0.2758

Triad

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



37.3786, 0.2417, 0.3014



37.3786, 0.3348, 0.2892



37.3786, 0.3628, 0.3968

Complementary

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



37.3786, 0.2417, 0.3014



24.0793, 0.4432, 0.3534

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.



37.3786, 0.3863, 0.3781



37.3786, 0.2417, 0.3014



37.3786, 0.3701, 0.3170

Square

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



37.3786, 0.2417, 0.3014



37.3786, 0.2951, 0.2708



37.3786, 0.3894, 0.3488



37.3786, 0.3266, 0.3966

Rectangle

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



37.3786, 0.2417, 0.3014



37.3786, 0.2542, 0.2672



37.3786, 0.3894, 0.3488



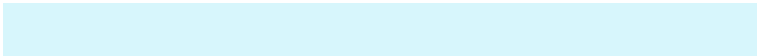
37.3786, 0.3725, 0.3923

Sweetspot

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



37.3800, 0.2417, 0.3014



87.0977, 0.2896, 0.3218



42.1625, 0.2957, 0.4636



18.7711, 0.2864, 0.3208



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.



37.3800, 0.2417, 0.3014



63.2682, 0.2305, 0.2945



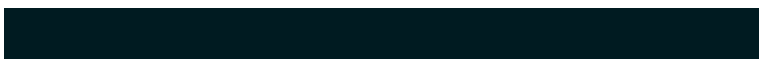
21.7479, 0.2262, 0.2220



11.1076, 0.2984, 0.3247



18.9306, 0.2085, 0.2706



0.9008, 0.2125, 0.2850

Inverse Universe

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



22.7739, 0.3396, 0.2263



35.0103, 0.3470, 0.2086



37.7695, 0.4073, 0.4152



10.2152, 0.3165, 0.3104



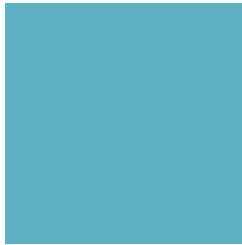
9.1933, 0.3723, 0.1824



0.4056, 0.3589, 0.1751

Previews

White Background



This preview shows how the Yxy color 37.3786, 0.2417, 0.3014 looks on a white background.

Color Contrast Check

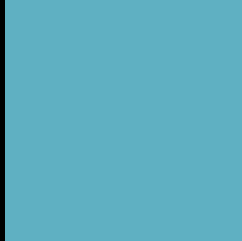
Large Text (above 18pt) WCAG AA × Fail

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 37.3786, 0.2417, 0.3014 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

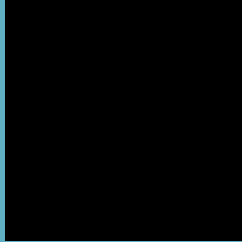
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.3786, 0.2417, 0.3014

Background



This preview shows how black text looks on a background with the Yxy color 37.3786, 0.2417, 0.3014.



This preview shows how white text looks on a background with the Yxy color 37.3786, 0.2417, 0.3014.

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

37.3786, 0.2417, 0.3014

Protanopia

36.8170, 0.2915, 0.2967

Deuteranopia

36.9594, 0.2845, 0.2786



Tritanopia

37.5856, 0.2432, 0.3073

Trichromacy



Original Color

37.3786, 0.2417, 0.3014

Protanomaly

36.5025, 0.2699, 0.2981

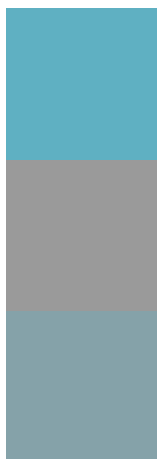
Deuteranomaly

36.6612, 0.2657, 0.2859

Tritanomaly

37.6297, 0.2426, 0.3058

Monochromacy



Original Color

37.3786, 0.2417, 0.3014

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

33.6918, 0.2809, 0.3181

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.3786, 0.2417, 0.3014 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(95, 176, 194)` looks like.

```
.text, #text, p{  
    color:rgb(95, 176, 194)  
}
```

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(95, 176, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 176, 194) }
```

Border

The CSS property to change the border of an element to Yxy 37.3786, 0.2417, 0.3014 is called "border". The border property can be set on classes, ids or directly on the HTML element.

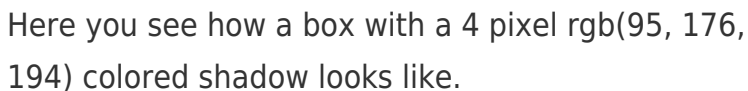
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(95, 176, 194) }
```

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

```
.border{ border-color:rgb(95, 176, 194) }
```

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



Here you see how a box with a 4 pixel `rgb(95, 176, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(95, 176, 194); -webkit-box-shadow:4px 4px 4px 4px rgb(95, 176, 194); box-shadow:4px 4px 4px 4px rgb(95, 176, 194) }
```


Background

The CSS property to change the background color of an element to Yxy 37.3786, 0.2417, 0.3014 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 176, 194) }
```

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

```
.background{ background-color: rgb(95, 176,  
194) }
```

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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