

Converting Colors

$Yxy(35.9926, 0.2387, 0.2784)$

Have a look what the booklet for
Yxy(35.9926, 0.2387, 0.2784)
contains.

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Color

Yxy(35.9926, 0.2387, 0.2784)

Conversions

Conversions Part 1

Format	Color
Hex	67AACC
RGB	103, 170, 204
RGB Percent	40%, 67%, 80%
CMY	0.5963, 0.3333, 0.2001
CMYK	0.50, 0.17, 0.00, 0.20
HSL	200°, 50%, 60%
HSV	200°, 50%, 80%
XYZ	30.8600, 35.9926, 62.4311
YIQ	153.8430, -50.8460, -3.6300

Conversions

Conversions Part 2

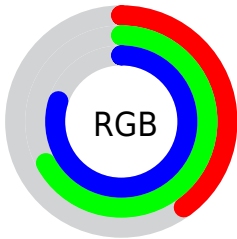
Format	Color
RYB	103, 143, 204
Decimal	6793932
CIELab	66.51, -12.01, -23.89
CIElCh	67, 26.737, 243.308
Yxy	35.9926, 0.2387, 0.2784
Android (android.graphics.Color)	4284984012 (0xFF67AACC)
YUV	153.8430, 24.7274, -44.5893
Hunter-Lab	59.9938, -13.1712, -19.7030

Details

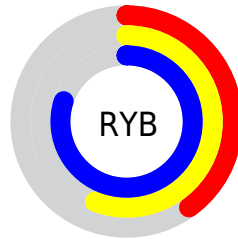
The Yxy color **35.9926, 0.2387, 0.2784** is a light color, and the websafe version is hex **3399CC**. A complement of this color would be **31.6775, 0.4269, 0.3728**, and the grayscale version is **32.1441, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.4414, 0.2550, 0.2945**, and **15.6943, 0.2173, 0.2619** is the 20% darker color. If you saturate the color by 10%, you get **32.4277, 0.2260, 0.2660**, and if you desaturate by 10%, it is **39.9885, 0.2526, 0.2902**.

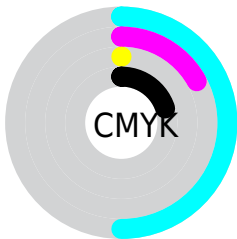
Distribution



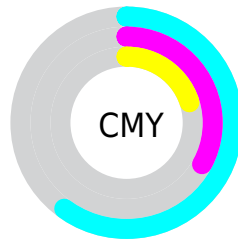
- Red (40%)
- Green (67%)
- Blue (80%)



- Red (40%)
- Yellow (56%)
- Blue (80%)



- Cyan (50%)
- Magenta (17%)
- Yellow (0%)
- Black (20%)



- Cyan (60%)
- Magenta (33%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 35.9926, 0.2387, 0.2784 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 35.9926, 0.2387, 0.2784 by changing the saturation by 10% instead.

■ 35.9926, 0.2387,
0.2784

■ 35.9926, 0.2387,
0.2784

■ 328.9282, 0.2761,
0.3051

■ 24.4285, 0.2293,
0.2714

■ 69.0206, 0.2523,
0.2884

■ 15.6518, 0.2173,
0.2622

■ 91.2534, 0.2575,
0.2920

■ 9.2781, 0.2015,
0.2497

■ 117.8111, 0.2618,
0.2951

■ 4.9230, 0.1798,
0.2318

■ 149.0781, 0.2655,
0.2977

■ 2.2022, 0.1487,
0.2047

■ 185.4390, 0.2687,
0.2999

■ 0.7212, 0.0878,
0.1614

■ 227.2780, 0.2715,

■ 0.0000, 0.0000,

0.3019

0.0000

274.9796, 0.2739,
0.3036

■ 35.9926, 0.2387,
0.2784

■ 35.9926, 0.2387,
0.2784

■ 32.4277, 0.2260,
0.2660

■ 39.9885, 0.2526,
0.2902

■ 29.2658, 0.2149,
0.2533

■ 44.4328, 0.2674,
0.3013

■ 26.4815, 0.2057,
0.2404

■ 49.3467, 0.2827,
0.3115

■ 24.0433, 0.1985,
0.2275

■ 54.7487, 0.2981,
0.3209

■ 21.8974, 0.1931,
0.2149

■ 60.6561, 0.3134,
0.3294

■ 21.8006, 0.1929,
0.2144

■ 67.0851, 0.3284,
0.3370

■ 74.0514, 0.3429,
0.3437

■ 79.3975, 0.3486,
0.3502

■ 83.1768, 0.3473,
0.3570

Harmonies

Analogous

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



35.9926, 0.2411, 0.3082



35.9926, 0.2387, 0.2784



35.9926, 0.2543, 0.2641

Triad

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



35.9926, 0.2387, 0.2784



35.9926, 0.3651, 0.3091



35.9926, 0.3364, 0.4017

Complementary

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



35.9926, 0.2387, 0.2784



31.6775, 0.4269, 0.3728

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.



35.9926, 0.3720, 0.3965



35.9926, 0.2387, 0.2784



35.9926, 0.3899, 0.3417

Square

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



35.9926, 0.2387, 0.2784



35.9926, 0.3260, 0.2822



35.9926, 0.3922, 0.3735



35.9926, 0.2959, 0.3835

Rectangle

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



35.9926, 0.2387, 0.2784



35.9926, 0.2736, 0.2636



35.9926, 0.3922, 0.3735



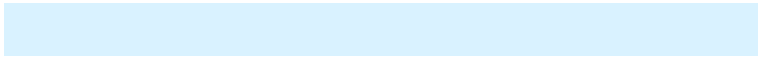
35.9926, 0.3494, 0.4024

Sweetspot

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



35.9940, 0.2387, 0.2784



85.5224, 0.2894, 0.3157



47.8497, 0.2863, 0.4326



17.9028, 0.2861, 0.3137



0.0000, 0.0000, 0.0000



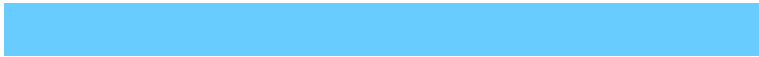
21.4041, 0.3127, 0.3290

Same Dimension

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



35.9940, 0.2387, 0.2784



53.5846, 0.2257, 0.2657



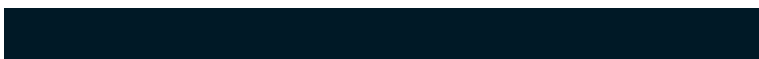
20.6206, 0.2236, 0.1989



12.0670, 0.2983, 0.3210



13.9029, 0.1934, 0.2161



0.8537, 0.2002, 0.2408

Inverse Universe

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



25.4270, 0.3577, 0.2459



35.6518, 0.3711, 0.2313



49.4110, 0.3941, 0.4314



11.3371, 0.3188, 0.3137



9.2065, 0.4274, 0.2128



0.4887, 0.4015, 0.1986

Previews

White Background



This preview shows how the Yxy color 35.9926, 0.2387, 0.2784 looks on a white background.

Color Contrast Check

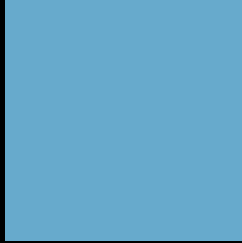
Large Text (above 18pt) WCAG AA × Fail

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 35.9926, 0.2387, 0.2784 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

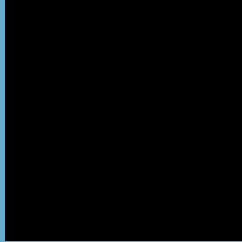
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.9926, 0.2387, 0.2784

Background



This preview shows how black text looks on a background with the Yxy color 35.9926, 0.2387, 0.2784.

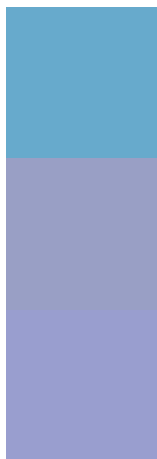


This preview shows how white text looks on a background with the Yxy color 35.9926, 0.2387, 0.2784.

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

35.9926, 0.2387, 0.2784

Protanopia

35.5998, 0.2760, 0.2759

Deuteranopia

35.7310, 0.2686, 0.2620



Tritanopia

36.0164, 0.2459, 0.3070

Trichromacy



Original Color

35.9926, 0.2387, 0.2784

Protanomaly

35.5154, 0.2603, 0.2758

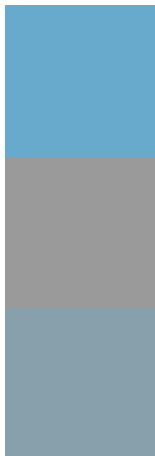
Deuteranomaly

35.4478, 0.2561, 0.2666

Tritanomaly

36.0080, 0.2432, 0.2967

Monochromacy



Original Color

35.9926, 0.2387, 0.2784

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

33.2711, 0.2801, 0.3105

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.9926, 0.2387, 0.2784 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(103, 170, 204)` looks like.

```
.text, #text, p{  
    color:rgb(103, 170, 204)  
}
```

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(103, 170, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 170, 204) }
```

Border

The CSS property to change the border of an element to Yxy 35.9926, 0.2387, 0.2784 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(103, 170, 204) }
```

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

```
.border{ border-color:rgb(103, 170, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 170, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 170, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 170, 204);  
box-shadow:4px 4px 4px 4px rgb(103, 170,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 35.9926, 0.2387, 0.2784 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 170, 204) }
```

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

```
.background{ background-color: rgb(103,  
170, 204) }
```

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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