

Converting Colors

$Yxy(35.8132, 0.2380, 0.2778)$

Have a look what the booklet for
Yxy(35.8132, 0.2380, 0.2778)
contains.

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Color

Yxy(35.9339, 0.2382, 0.2783)

Conversions

Conversions Part 1

Format	Color
Hex	66AACC
RGB	102, 170, 204
RGB Percent	40%, 67%, 80%
CMY	0.5998, 0.3333, 0.2001
CMYK	0.50, 0.17, 0.00, 0.20
HSL	200°, 50%, 60%
HSV	200°, 50%, 80%
XYZ	30.7562, 35.9339, 62.4292
YIQ	153.5440, -51.4420, -3.8420

Conversions

Conversions Part 2

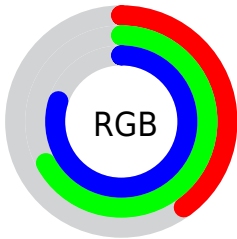
Format	Color
RYB	102, 143, 204
Decimal	6728396
CIELab	66.47, -12.20, -23.96
CIELCh	66, 26.891, 243.015
Yxy	35.9339, 0.2382, 0.2783
Android (android.graphics.Color)	4284918476 (0xFF66AACC)
YUV	153.5440, 24.8748, -45.2041
Hunter-Lab	59.9449, -13.3197, -19.7857

Details

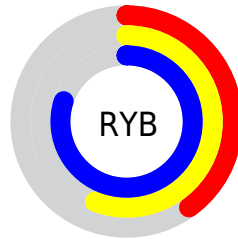
The Yxy color **35.9339, 0.2382, 0.2783** is a light color, and the websafe version is hex **3399CC**. A complement of this color would be **31.4167, 0.4285, 0.3728**, and the grayscale version is **32.0171, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.3395, 0.2545, 0.2944**, and **15.6511, 0.2164, 0.2618** is the 20% darker color. If you saturate the color by 10%, you get **32.4011, 0.2256, 0.2660**, and if you desaturate by 10%, it is **39.8946, 0.2521, 0.2900**.

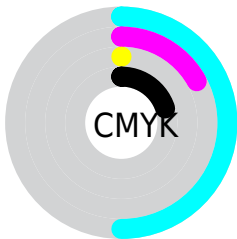
Distribution



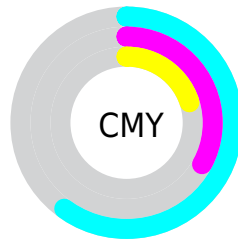
- Red (40%)
- Green (67%)
- Blue (80%)



- 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 35.9339, 0.2382, 0.2783 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 35.9339, 0.2382, 0.2783 by changing the saturation by 10% instead.


 35.9339, 0.2382,
0.2783


 35.9339, 0.2382,
0.2783

328.6715, 0.2759,
0.3050


 24.3832, 0.2288,
0.2713


 68.9300, 0.2519,
0.2883

 15.6181, 0.2167,
0.2620


 91.1442, 0.2571,
0.2920

 9.2543, 0.2008,
0.2495


 117.6816, 0.2614,
0.2950

 4.9074, 0.1789,
0.2316

 148.9267, 0.2652,
0.2977

 2.1930, 0.1477,
0.2043

185.2639, 0.2684,
0.2999

 0.7162, 0.0859,
0.1608

227.0774, 0.2712,

 0.0000, 0.0000,

0.3018

0.0000

274.7519, 0.2737,
0.3035

■ 35.9339, 0.2382,
0.2783

■ 35.9339, 0.2382,
0.2783

■ 32.4011, 0.2256,
0.2660

■ 39.8946, 0.2521,
0.2900

■ 29.2684, 0.2146,
0.2534

■ 44.3007, 0.2668,
0.3010

■ 26.5099, 0.2055,
0.2406

■ 49.1734, 0.2820,
0.3113

■ 24.0943, 0.1985,
0.2279

■ 54.5313, 0.2974,
0.3206

■ 21.9641, 0.1932,
0.2154

■ 60.3916, 0.3128,
0.3290

■ 21.9570, 0.1932,
0.2153

■ 66.7706, 0.3278,
0.3366

■ 73.6839, 0.3423,
0.3433

■ 79.1507, 0.3487,
0.3498

■ 82.8892, 0.3474,
0.3565

Harmonies

Analogous

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



35.9339, 0.2408, 0.3084



35.9339, 0.2382, 0.2783



35.9339, 0.2537, 0.2638

Triad

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



35.9339, 0.2382, 0.2783



35.9339, 0.3651, 0.3087



35.9339, 0.3369, 0.4022

Complementary

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



35.9339, 0.2382, 0.2783



31.4167, 0.4285, 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.



35.9339, 0.3726, 0.3968



35.9339, 0.2382, 0.2783



35.9339, 0.3903, 0.3414

Square

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



35.9339, 0.2382, 0.2783



35.9339, 0.3256, 0.2817



35.9339, 0.3928, 0.3735



35.9339, 0.2962, 0.3842

Rectangle

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



35.9339, 0.2382, 0.2783



35.9339, 0.2730, 0.2632



35.9339, 0.3928, 0.3735



35.9339, 0.3500, 0.4029

Sweetspot

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



35.9352, 0.2382, 0.2783



85.5840, 0.2894, 0.3158



47.7838, 0.2861, 0.4337



17.9177, 0.2861, 0.3138



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.



35.9352, 0.2382, 0.2783



53.2222, 0.2246, 0.2650



20.3923, 0.2227, 0.1976



12.0722, 0.2983, 0.3211



14.0000, 0.1936, 0.2171



0.8582, 0.2004, 0.2415

Inverse Universe

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



25.2517, 0.3579, 0.2449



35.1215, 0.3720, 0.2297



49.3336, 0.3949, 0.4322



11.3377, 0.3188, 0.3137



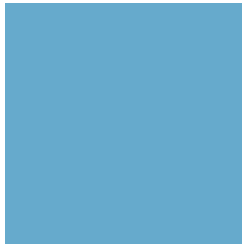
9.2163, 0.4264, 0.2122



0.4892, 0.4008, 0.1981

Previews

White Background



This preview shows how the Yxy color 35.9339, 0.2382, 0.2783 looks on a white background.

Color Contrast Check

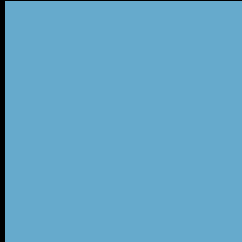
Large Text (above 18pt) WCAG AA × Fail

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 35.9339, 0.2382, 0.2783 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

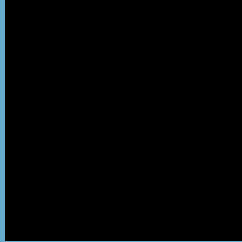
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.9339, 0.2382, 0.2783

Background



This preview shows how black text looks on a background with the Yxy color 35.9339, 0.2382, 0.2783.

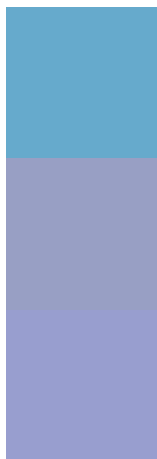


This preview shows how white text looks on a background with the Yxy color 35.9339, 0.2382, 0.2783.

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

35.9339, 0.2382, 0.2783

Protanopia

35.4572, 0.2759, 0.2771

Deuteranopia

35.6341, 0.2678, 0.2619



Tritanopia

35.9618, 0.2453, 0.3070

Trichromacy



Original Color

35.9339, 0.2382, 0.2783

Protanomaly

35.3862, 0.2602, 0.2770

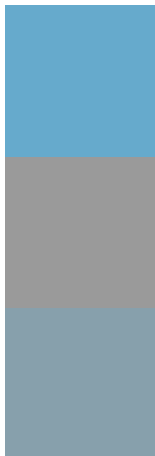
Deuteranomaly

35.3652, 0.2554, 0.2665

Tritanomaly

35.9520, 0.2427, 0.2966

Monochromacy



Original Color

35.9339, 0.2382, 0.2783

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 35.9339, 0.2382, 0.2783 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(102, 170, 204)` looks like.

```
.text, #text, p{  
    color:rgb(102, 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(102, 170, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 170, 204) }
```

Border

The CSS property to change the border of an element to Yxy 35.9339, 0.2382, 0.2783 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(102, 170, 204) }
```

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

```
.border{ border-color:rgb(102, 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(102, 170, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 170, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 170, 204);  
box-shadow:4px 4px 4px 4px rgb(102, 170,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 35.9339, 0.2382, 0.2783 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 170, 204) }
```

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

```
.background{ background-color: rgb(102,  
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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