

Converting Colors

$Y_{xy}(36.0063, 0.2269, 0.2615)$

Have a look what the booklet for
Yxy(36.0063, 0.2269, 0.2615)
contains.

Yxy(35.9826, 0.2269, 0.2618)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(35.9826, 0.2269, 0.2618)

Conversions

Conversions Part 1

Format	Color
Hex	5CAAD8
RGB	92, 170, 216
RGB Percent	36%, 67%, 85%
CMY	0.6391, 0.3333, 0.1529
CMYK	0.57, 0.21, 0.00, 0.15
HSL	202°, 61%, 60%
HSV	202°, 57%, 85%
XYZ	31.1858, 35.9826, 70.2747
YIQ	151.9220, -61.2540, -2.2300

Conversions

Conversions Part 2

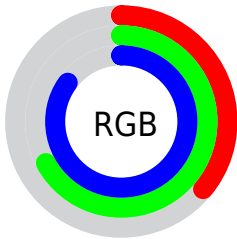
Format	Color
R _Y B	92, 140, 216
Decimal	6073048
CIE Lab	66.51, -10.77, -30.59
CIE LCh	67, 32.428, 250.599
Yxy	35.9826, 0.2269, 0.2618
Android (android.graphics.Color)	4284263128 (0xFF5CAAD8)
YUV	151.9220, 31.5905, -52.5516
Hunter-Lab	59.9855, -12.1743, -27.4700

Details

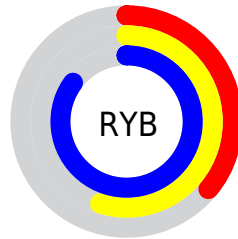
The Yxy color **35.9826, 0.2269, 0.2618** is a light color, and the websafe version is hex **3399CC**. The color can be described as light muted azure. A complement of this color would be **33.5633, 0.4500, 0.3838**, and the grayscale version is **31.2487, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.6497, 0.2510, 0.2941**, and **15.6587, 0.2029, 0.2414** is the 20% darker color. If you saturate the color by 10%, you get **32.1105, 0.2149, 0.2476**, and if you desaturate by 10%, it is **40.3578, 0.2404, 0.2755**.

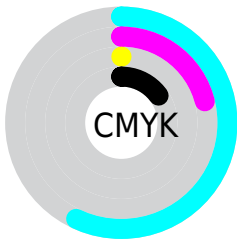
Distribution



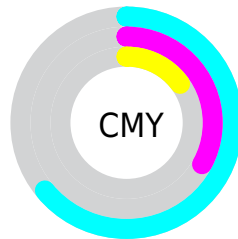
- Red (36%)
- Green (67%)
- Blue (85%)



- Red (36%)
- Yellow (55%)
- Blue (85%)



- Cyan (57%)
- Magenta (21%)
- Yellow (0%)
- Black (15%)



- Cyan (64%)
- Magenta (33%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 35.9826, 0.2269, 0.2618 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 35.9826, 0.2269, 0.2618 by changing the saturation by 10% instead.

■ 35.9826, 0.2269,
0.2618

■ 35.9826, 0.2269,
0.2618

■ 328.8845, 0.2699,
0.2967

■ 24.4208, 0.2163,
0.2528

■ 69.0052, 0.2425,
0.2747

■ 15.6460, 0.2029,
0.2413

■ 91.2348, 0.2483,
0.2795

■ 9.2740, 0.1854,
0.2258

■ 117.7890, 0.2533,
0.2835

■ 4.9203, 0.1620,
0.2044

■ 149.0524, 0.2576,
0.2869

■ 2.2006, 0.1296,
0.1733

■ 185.4092, 0.2613,
0.2899

■ 0.7203, 0.0741,
0.1266

■ 227.2439, 0.2645,

■ 0.0000, 0.0000,

0.2925

0.0000

274.9408, 0.2674,
0.2947

■ 35.9826, 0.2269,
0.2618

■ 35.9826, 0.2269,
0.2618

■ 32.1105, 0.2149,
0.2476

■ 40.3578, 0.2404,
0.2755

■ 28.7064, 0.2048,
0.2332

■ 45.2597, 0.2550,
0.2885

■ 25.7360, 0.1967,
0.2189

■ 50.7149, 0.2702,
0.3007

■ 23.1517, 0.1907,
0.2049

■ 56.7466, 0.2858,
0.3119

■ 22.5225, 0.1893,
0.2013

■ 63.3765, 0.3014,
0.3221

70.6250, 0.3167,
0.3313

78.5113, 0.3315,
0.3395

85.1399, 0.3388,
0.3471

89.8120, 0.3376,
0.3549

Harmonies

Analogous

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



35.9826, 0.2244, 0.2928



35.9826, 0.2269, 0.2618



35.9826, 0.2500, 0.2502

Triad

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



35.9826, 0.2269, 0.2618



35.9826, 0.3858, 0.3138



35.9826, 0.3287, 0.4155

Complementary

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



35.9826, 0.2269, 0.2618



33.5633, 0.4500, 0.3838

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.



35.9826, 0.3745, 0.4146



35.9826, 0.2269, 0.2618



35.9826, 0.4099, 0.3528

Square

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



35.9826, 0.2269, 0.2618



35.9826, 0.3407, 0.2799



35.9826, 0.4051, 0.3897



35.9826, 0.2807, 0.3868

Rectangle

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



35.9826, 0.2269, 0.2618



35.9826, 0.2755, 0.2530



35.9826, 0.4051, 0.3897



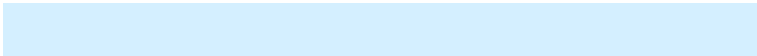
35.9826, 0.3449, 0.4185

Sweetspot

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



35.9839, 0.2269, 0.2618



82.8462, 0.2862, 0.3122



53.2148, 0.2815, 0.4468



17.3355, 0.2830, 0.3100



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.



35.9839, 0.2269, 0.2618



45.5811, 0.2124, 0.2444



18.0790, 0.2066, 0.1680



13.2971, 0.2982, 0.3201



13.5423, 0.1898, 0.2034



0.9729, 0.1965, 0.2275

Inverse Universe

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



25.1623, 0.3740, 0.2388



30.5637, 0.3934, 0.2256



56.4423, 0.4044, 0.4494



12.5509, 0.3194, 0.3144



9.7120, 0.4415, 0.2206



0.6015, 0.4152, 0.2061

Previews

White Background



This preview shows how the Yxy color 35.9826, 0.2269, 0.2618 looks on a white background.

Color Contrast Check

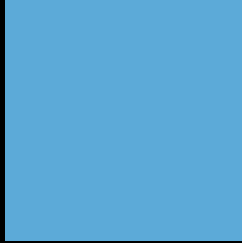
Large Text (above 18pt) WCAG AA × Fail

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 35.9826, 0.2269, 0.2618 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

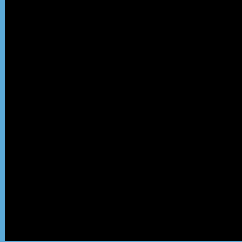
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

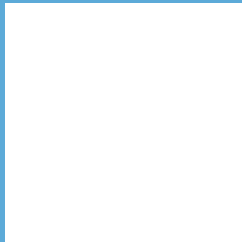
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 35.9826, 0.2269, 0.2618

Background



This preview shows how black text looks on a background with the Yxy color 35.9826, 0.2269, 0.2618.

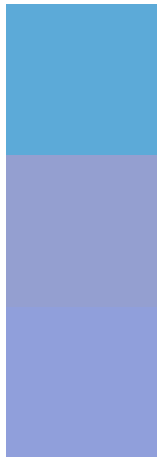


This preview shows how white text looks on a background with the Yxy color 35.9826, 0.2269, 0.2618.

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

35.9826, 0.2269, 0.2618

Protanopia

35.6462, 0.2641, 0.2615

Deuteranopia

35.8400, 0.2538, 0.2480



Tritanopia

36.0834, 0.2373, 0.3068

Trichromacy



Original Color

35.9826, 0.2269, 0.2618

Protanomaly

35.4867, 0.2483, 0.2610

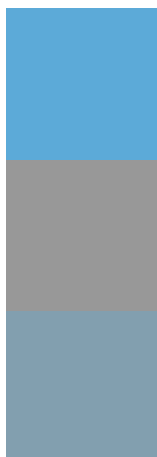
Deuteranomaly

35.6163, 0.2422, 0.2522

Tritanomaly

35.9420, 0.2331, 0.2890

Monochromacy



Original Color

35.9826, 0.2269, 0.2618

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

32.6372, 0.2735, 0.3042

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.9826, 0.2269, 0.2618 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(92, 170, 216)` looks like.

```
.text, #text, p{  
    color:rgb(92, 170, 216)  
}
```

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(92, 170, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 170, 216) }
```

Border

The CSS property to change the border of an element to Yxy 35.9826, 0.2269, 0.2618 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(92, 170, 216) }
```

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

```
.border{ border-color:rgb(92, 170, 216) }
```

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

Here you see how a box with a 4 pixel rgb(92, 170, 216) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 170, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 170, 216);  
box-shadow:4px 4px 4px 4px rgb(92, 170,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 35.9826, 0.2269, 0.2618 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 170, 216) }
```

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

```
.background{ background-color: rgb(92, 170,  
216) }
```

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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