

Converting Colors

$Y_{xy}(35.9290, 0.2186, 0.2506)$

Have a look what the booklet for
Yxy(35.9290, 0.2186, 0.2506)
contains.

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Color

Yxy(35.9251, 0.2189, 0.2512)

Conversions

Conversions Part 1

Format	Color
Hex	52AAE0
RGB	82, 170, 224
RGB Percent	32%, 67%, 88%
CMY	0.6784, 0.3333, 0.1217
CMYK	0.63, 0.24, 0.00, 0.12
HSL	203°, 70%, 60%
HSV	203°, 63%, 88%
XYZ	31.3057, 35.9251, 75.7831
YIQ	149.8440, -69.7820, -1.8620

Conversions

Conversions Part 2

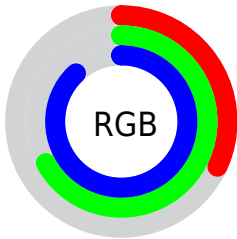
Format	Color
R _Y B	82, 136, 224
Decimal	5417696
CIE Lab	66.46, -10.14, -35.07
CIE LCh	66, 36.502, 253.870
Yxy	35.9251, 0.2189, 0.2512
Android (android.graphics.Color)	4283607776 (0xFF52AAE0)
YUV	149.8440, 36.5589, -59.4992
Hunter-Lab	59.9376, -11.6591, -33.0081

Details

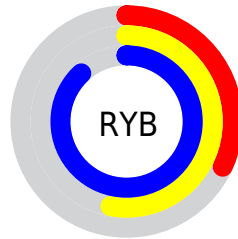
The Yxy color **35.9251, 0.2189, 0.2512** is a light color, and the websafe version is hex **3399CC**. The color can be described as light muted azure. A complement of this color would be **34.0529, 0.4692, 0.3892**, and the grayscale version is **30.2955, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.9101, 0.2472, 0.2938**, and **15.8214, 0.1967, 0.2282** is the 20% darker color. If you saturate the color by 10%, you get **31.9911, 0.2078, 0.2364**, and if you desaturate by 10%, it is **40.3959, 0.2317, 0.2656**.

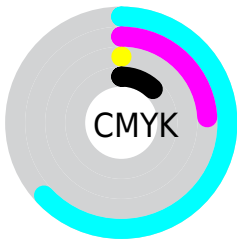
Distribution



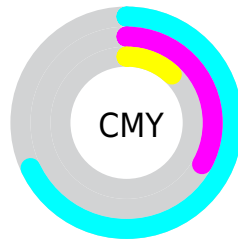
- Red (32%)
- Green (67%)
- Blue (88%)



- Red (32%)
- Yellow (53%)
- Blue (88%)



- Cyan (63%)
- Magenta (24%)
- Yellow (0%)
- Black (12%)



- Cyan (68%)
- Magenta (33%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 35.9251, 0.2189, 0.2512 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 35.9251, 0.2189, 0.2512 by changing the saturation by 10% instead.

■ 35.9251, 0.2189,
0.2512

■ 35.9251, 0.2189,
0.2512

■ 328.6331, 0.2657,
0.2913

■ 24.3764, 0.2075,
0.2411

■ 68.9164, 0.2357,
0.2659

■ 15.6130, 0.1932,
0.2281

■ 91.1278, 0.2421,
0.2714

■ 9.2507, 0.1748,
0.2111

■ 117.6622, 0.2475,
0.2760

■ 4.9051, 0.1505,
0.1879

■ 148.9040, 0.2522,
0.2800

■ 2.1917, 0.1177,
0.1552

■ 185.2376, 0.2562,
0.2834

■ 0.7155, 0.0654,
0.1081

■ 227.0474, 0.2597,

■ 0.0000, 0.0000,

0.2863

0.0000

274.7177, 0.2629,
0.2889

■ 35.9251, 0.2189,
0.2512

■ 35.9251, 0.2189,
0.2512

■ 31.9911, 0.2078,
0.2364

■ 40.3959, 0.2317,
0.2656

■ 28.5530, 0.1988,
0.2216

■ 45.4324, 0.2458,
0.2795

■ 25.5679, 0.1919,
0.2071

■ 51.0650, 0.2608,
0.2926

■ 23.7966, 0.1883,
0.1977

■ 57.3206, 0.2763,
0.3047

■ 64.2242, 0.2920,
0.3158

71.7992, 0.3075,
0.3258

80.0674, 0.3227,
0.3348

87.8575, 0.3330,
0.3430

92.9363, 0.3320,
0.3513

Harmonies

Analogous

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



35.9251, 0.2135, 0.2830



35.9251, 0.2189, 0.2512



35.9251, 0.2466, 0.2412

Triad

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



35.9251, 0.2189, 0.2512



35.9251, 0.3995, 0.3161



35.9251, 0.3240, 0.4254

Complementary

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



35.9251, 0.2189, 0.2512



34.0529, 0.4692, 0.3892

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.



35.9251, 0.3765, 0.4269



35.9251, 0.2189, 0.2512



35.9251, 0.4232, 0.3594

Square

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



35.9251, 0.2189, 0.2512



35.9251, 0.3502, 0.2778



35.9251, 0.4137, 0.4000



35.9251, 0.2710, 0.3894

Rectangle

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



35.9251, 0.2189, 0.2512



35.9251, 0.2761, 0.2459



35.9251, 0.4137, 0.4000



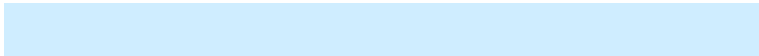
35.9251, 0.3423, 0.4298

Sweetspot

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



35.9264, 0.2189, 0.2512



80.7476, 0.2830, 0.3095



56.8124, 0.2800, 0.4620



16.7240, 0.2785, 0.3063



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.



35.9264, 0.2189, 0.2512



41.4006, 0.2047, 0.2317



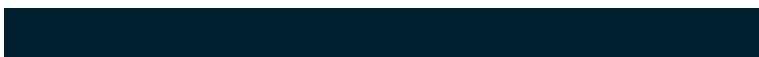
16.4700, 0.1951, 0.1489



14.6513, 0.2981, 0.3199



14.0839, 0.1889, 0.1999



1.1473, 0.1950, 0.2220

Inverse Universe

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



24.7812, 0.3852, 0.2328



27.9686, 0.4076, 0.2222



60.1345, 0.4130, 0.4591



13.8427, 0.3196, 0.3146



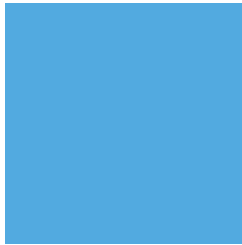
10.3298, 0.4454, 0.2227



0.7333, 0.4211, 0.2094

Previews

White Background



This preview shows how the Yxy color 35.9251, 0.2189, 0.2512 looks on a white background.

Color Contrast Check

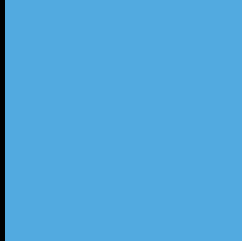
Large Text (above 18pt) WCAG AA × Fail

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 35.9251, 0.2189, 0.2512 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

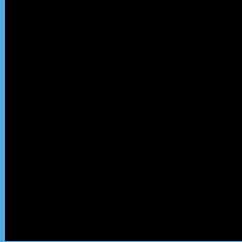
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

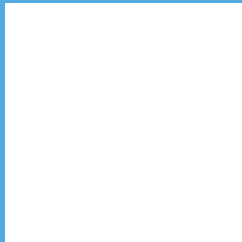
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 35.9251, 0.2189, 0.2512

Background



This preview shows how black text looks on a background with the Yxy color 35.9251, 0.2189, 0.2512.

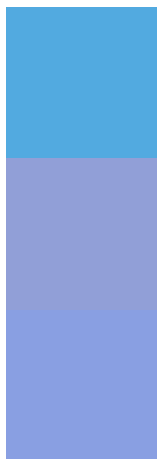


This preview shows how white text looks on a background with the Yxy color 35.9251, 0.2189, 0.2512.

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

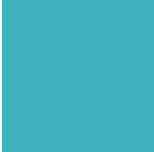
35.9251, 0.2189, 0.2512

Protanopia

35.7223, 0.2571, 0.2528

Deuteranopia

35.6056, 0.2447, 0.2390



Tritanopia

35.8922, 0.2305, 0.3065

Trichromacy



Original Color

35.9251, 0.2189, 0.2512

Protanomaly

35.3939, 0.2403, 0.2518

Deuteranomaly

35.4125, 0.2335, 0.2430

Tritanomaly

35.8760, 0.2261, 0.2857

Monochromacy



Original Color

35.9251, 0.2189, 0.2512

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

31.6482, 0.2676, 0.2977

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.9251, 0.2189, 0.2512 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(82, 170, 224)` looks like.

```
.text, #text, p{  
    color:rgb(82, 170, 224)  
}
```

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(82, 170, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 170, 224) }
```

Border

The CSS property to change the border of an element to Yxy 35.9251, 0.2189, 0.2512 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(82, 170, 224) }
```

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

```
.border{ border-color:rgb(82, 170, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 170, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 170, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 170, 224);  
box-shadow:4px 4px 4px 4px rgb(82, 170,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 35.9251, 0.2189, 0.2512 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 170, 224) }
```

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

```
.background{ background-color: rgb(82, 170,  
224) }
```

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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