

Converting Colors

$Y_{xy}(35.6580, 0.2122, 0.2396)$

Have a look what the booklet for
Yxy(35.6580, 0.2122, 0.2396)
contains.

Yxy(35.6580, 0.2122, 0.2396)	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(35.6580, 0.2122, 0.2396)

Conversions

Conversions Part 1

Format	Color
Hex	4AA9E8
RGB	74, 169, 232
RGB Percent	29%, 66%, 91%
CMY	0.7098, 0.3373, 0.0901
CMYK	0.68, 0.27, 0.00, 0.09
HSL	204°, 77%, 60%
HSV	204°, 68%, 91%
XYZ	31.5802, 35.6580, 81.5848
YIQ	147.7770, -76.8430, -0.5470

Conversions

Conversions Part 2

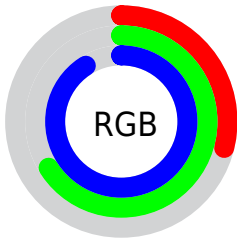
Format	Color
R _Y B	74, 133, 232
Decimal	4893160
CIE Lab	66.26, -8.25, -39.83
CIE LCh	66, 40.677, 258.296
Yxy	35.6580, 0.2122, 0.2396
Android (android.graphics.Color)	4283083240 (0xFF4AA9E8)
YUV	147.7770, 41.5219, -64.7024
Hunter-Lab	59.7143, -10.0993, -39.2050

Details

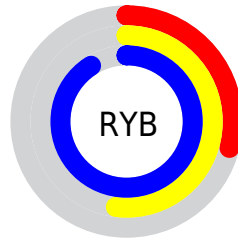
The Yxy color **35.6580, 0.2122, 0.2396** is a light color, and the websafe version is hex **3399CC**. The color can be described as light muted azure. A complement of this color would be **35.5552, 0.4826, 0.3947**, and the grayscale version is **29.3653, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.9346, 0.2447, 0.2923**, and **15.8572, 0.1933, 0.2159** is the 20% darker color. If you saturate the color by 10%, you get **31.5795, 0.2018, 0.2240**, and if you desaturate by 10%, it is **40.3222, 0.2245, 0.2551**.

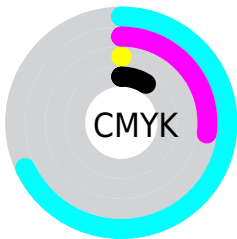
Distribution



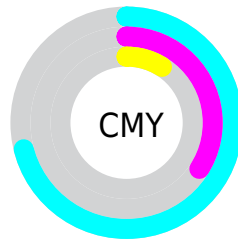
- Red (29%)
- Green (66%)
- Blue (91%)



- Red (29%)
- Yellow (52%)
- Blue (91%)



- Cyan (68%)
- Magenta (27%)
- Yellow (0%)
- Black (9%)




- Cyan (71%)
- Magenta (34%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.6580, 0.2122, 0.2396 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 35.6580, 0.2122, 0.2396 by changing the saturation by 10% instead.


 35.6580, 0.2122,
0.2396


 35.6580, 0.2122,
0.2396

327.4632, 0.2621,
0.2851

 24.1702, 0.2002,
0.2283


 68.5039, 0.2300,
0.2561

 15.4599, 0.1853,
0.2141


 90.6307, 0.2368,
0.2624

 9.1428, 0.1661,
0.1955


 117.0727, 0.2426,
0.2676

 4.8344, 0.1412,
0.1708

 148.2142, 0.2476,
0.2721

 2.1505, 0.1084,
0.1371

184.4396, 0.2519,
0.2760

 0.6928, 0.0597,
0.0904

226.1333, 0.2557,

 0.0000, 0.0000,

0.2794

0.0000

273.6797, 0.2591,
0.2824

■ 35.6580, 0.2122,
0.2396

■ 35.6580, 0.2122,
0.2396

■ 31.5795, 0.2018,
0.2240

■ 40.3222, 0.2245,
0.2551

■ 28.0384, 0.1935,
0.2085

■ 45.6066, 0.2383,
0.2700

■ 24.9754, 0.1874,
0.1935

■ 51.5468, 0.2532,
0.2842

■ 24.4339, 0.1863,
0.1907

■ 58.1738, 0.2687,
0.2975

■ 65.5164, 0.2845,
0.3097

■ 73.6014, 0.3002,
0.3208

■ 82.4540, 0.3156,
0.3308

■ 91.2108, 0.3274,
0.3398

■ 96.8916, 0.3264,
0.3487

Harmonies

Analogous

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



35.6580, 0.2026, 0.2704



35.6580, 0.2122, 0.2396



35.6580, 0.2458, 0.2326

Triad

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



35.6580, 0.2122, 0.2396



35.6580, 0.4159, 0.3209



35.6580, 0.3154, 0.4341

Complementary

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



35.6580, 0.2122, 0.2396



35.5552, 0.4826, 0.3947

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.



35.6580, 0.3749, 0.4403



35.6580, 0.2122, 0.2396



35.6580, 0.4367, 0.3685

Square

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



35.6580, 0.2122, 0.2396



35.6580, 0.3635, 0.2779



35.6580, 0.4202, 0.4127



35.6580, 0.2582, 0.3884

Rectangle

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



35.6580, 0.2122, 0.2396



35.6580, 0.2801, 0.2398



35.6580, 0.4202, 0.4127



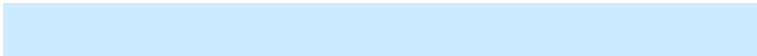
35.6580, 0.3358, 0.4408

Sweetspot

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



35.6592, 0.2122, 0.2396



79.2786, 0.2813, 0.3074



60.9240, 0.2781, 0.4702



16.4102, 0.2769, 0.3040



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.



35.6592, 0.2122, 0.2396



37.1514, 0.1980, 0.2173



15.0135, 0.1858, 0.1312



15.3212, 0.2981, 0.3194



13.8135, 0.1870, 0.1931



1.2012, 0.1931, 0.2150

Inverse Universe

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



24.9228, 0.3976, 0.2310



26.1694, 0.4239, 0.2236



65.5433, 0.4175, 0.4680



14.5128, 0.3199, 0.3150



10.5922, 0.4532, 0.2270



0.8009, 0.4286, 0.2135

Previews

White Background



This preview shows how the Yxy color 35.6580, 0.2122, 0.2396 looks on a white background.

Color Contrast Check

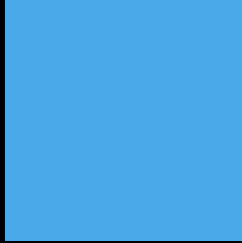
Large Text (above 18pt) WCAG AA × Fail

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 35.6580, 0.2122, 0.2396 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

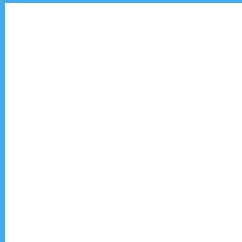
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 35.6580, 0.2122, 0.2396

Background



This preview shows how black text looks on a background with the Yxy color 35.6580, 0.2122, 0.2396.



This preview shows how white text looks on a background with the Yxy color 35.6580, 0.2122, 0.2396.

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

35.6580, 0.2122, 0.2396

Protanopia

35.3569, 0.2483, 0.2414

Deuteranopia

35.4039, 0.2350, 0.2292



Tritanopia

35.8102, 0.2249, 0.3063

Trichromacy



Original Color

35.6580, 0.2122, 0.2396

Protanomaly

35.0447, 0.2321, 0.2403

Deuteranomaly

35.3288, 0.2251, 0.2331

Tritanomaly

35.5982, 0.2196, 0.2795

Monochromacy



Original Color

35.6580, 0.2122, 0.2396

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

31.0966, 0.2628, 0.2929

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.6580, 0.2122, 0.2396 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(74, 169, 232)` looks like.

```
.text, #text, p{  
    color:rgb(74, 169, 232)  
}
```

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(74, 169, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 169, 232) }
```

Border

The CSS property to change the border of an element to Yxy 35.6580, 0.2122, 0.2396 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(74, 169, 232) }
```

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

```
.border{ border-color:rgb(74, 169, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 169, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 169, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 169, 232);  
box-shadow:4px 4px 4px 4px rgb(74, 169,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 35.6580, 0.2122, 0.2396 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 169, 232) }
```

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

```
.background{ background-color: rgb(74, 169,  
232) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor