

Converting Colors

$Y_{xy}(34.2555, 0.2105, 0.2385)$

Have a look what the booklet for
Yxy(34.2555, 0.2105, 0.2385)
contains.

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Color

Yxy(34.1585, 0.2103, 0.2381)

Conversions

Conversions Part 1

Format	Color
Hex	44A6E5
RGB	68, 166, 229
RGB Percent	27%, 65%, 90%
CMY	0.7328, 0.3491, 0.1019
CMYK	0.70, 0.28, 0.00, 0.10
HSL	204°, 76%, 58%
HSV	204°, 70%, 90%
XYZ	30.1702, 34.1585, 79.1341
YIQ	143.8800, -78.6310, -1.1830

Conversions

Conversions Part 2

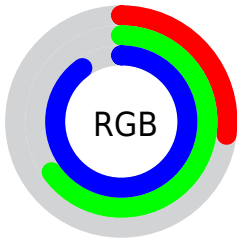
Format	Color
R _{YB}	68, 129, 229
Decimal	4499173
CIE Lab	65.09, -8.44, -40.01
CIE LCh	65, 40.891, 258.084
Yxy	34.1585, 0.2103, 0.2381
Android (android.graphics.Color)	4282689253 (0xFF44A6E5)
YUV	143.8800, 41.9642, -66.5468
Hunter-Lab	58.4453, -10.1351, -39.3662

Details

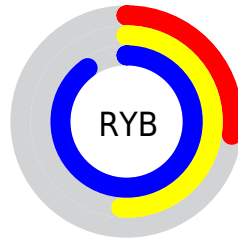
The Yxy color **34.1585, 0.2103, 0.2381** is a light color, and the websafe version is hex **3399CC**. The color can be described as light muted azure. A complement of this color would be **33.3534, 0.4906, 0.3943**, and the grayscale version is **27.7063, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.0012, 0.2422, 0.2885**, and **15.0518, 0.1928, 0.2140** is the 20% darker color. If you saturate the color by 10%, you get **30.3406, 0.2004, 0.2228**, and if you desaturate by 10%, it is **38.5279, 0.2221, 0.2533**.

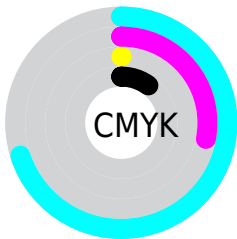
Distribution



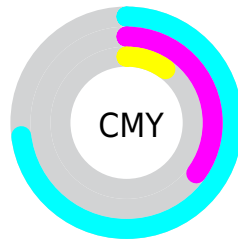
- Red (27%)
- Green (65%)
- Blue (90%)



- Red (27%)
- Yellow (51%)
- Blue (90%)



- Cyan (70%)
- Magenta (28%)
- Yellow (0%)
- Black (10%)



- Cyan (73%)
- Magenta (35%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 34.1585, 0.2103, 0.2381 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 34.1585, 0.2103, 0.2381 by changing the saturation by 10% instead.

■ 34.1585, 0.2103,
0.2381

■ 34.1585, 0.2103,
0.2381

■ 320.8382, 0.2614,
0.2847

■ 23.0154, 0.1980,
0.2265

■ 66.1801, 0.2286,
0.2551

■ 14.6049, 0.1825,
0.2117

■ 87.8273, 0.2356,
0.2615

■ 8.5425, 0.1627,
0.1925

■ 113.7447, 0.2415,
0.2668

■ 4.4440, 0.1370,
0.1669

■ 144.3167, 0.2466,
0.2714

■ 1.9249, 0.1031,
0.1319

■ 179.9277, 0.2510,
0.2754

■ 0.5633, 0.0473,
0.0810

■ 220.9620, 0.2549,

■ 0.0000, 0.0000,

0.2789

0.0000

267.8040, 0.2583,
0.2820

■ 34.1585, 0.2103,
0.2381

■ 34.1585, 0.2103,
0.2381

■ 30.3406, 0.2004,
0.2228

■ 38.5279, 0.2221,
0.2533

■ 27.0262, 0.1927,
0.2077

■ 43.4832, 0.2355,
0.2681

■ 24.2077, 0.1871,
0.1934

■ 49.0591, 0.2501,
0.2822

■ 55.2861, 0.2655,
0.2954

■ 62.1922, 0.2812,
0.3076

■ 69.8036, 0.2969,
0.3187

■ 78.1447, 0.3123,
0.3288

■ 87.2388, 0.3273,
0.3377

■ 93.2726, 0.3289,
0.3464

Harmonies

Analogous

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



34.1585, 0.2007, 0.2695



34.1585, 0.2103, 0.2381



34.1585, 0.2443, 0.2309

Triad

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



34.1585, 0.2103, 0.2381



34.1585, 0.4177, 0.3203



34.1585, 0.3158, 0.4366

Complementary

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



34.1585, 0.2103, 0.2381



33.3534, 0.4906, 0.3943

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.



34.1585, 0.3763, 0.4424



34.1585, 0.2103, 0.2381



34.1585, 0.4391, 0.3687

Square

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



34.1585, 0.2103, 0.2381



34.1585, 0.3641, 0.2767



34.1585, 0.4224, 0.4137



34.1585, 0.2575, 0.3901

Rectangle

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



34.1585, 0.2103, 0.2381



34.1585, 0.2790, 0.2382



34.1585, 0.4224, 0.4137



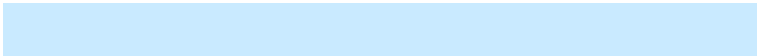
34.1585, 0.3365, 0.4433

Sweetspot

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



34.1597, 0.2103, 0.2381



78.5582, 0.2798, 0.3066



58.8815, 0.2779, 0.4752



16.2764, 0.2754, 0.3033



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.



34.1597, 0.2103, 0.2381



36.8466, 0.1969, 0.2163



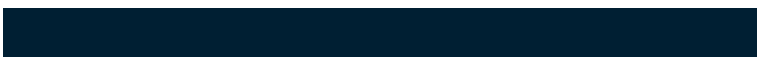
13.6935, 0.1823, 0.1252



15.3388, 0.2981, 0.3196



14.0811, 0.1877, 0.1956



1.2201, 0.1937, 0.2172

Inverse Universe

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



23.5631, 0.3996, 0.2282



25.7757, 0.4253, 0.2220



63.2881, 0.4199, 0.4706



14.5146, 0.3198, 0.3148



10.6192, 0.4503, 0.2254



0.8028, 0.4263, 0.2122

Previews

White Background



This preview shows how the Yxy color 34.1585, 0.2103, 0.2381 looks on a white background.

Color Contrast Check

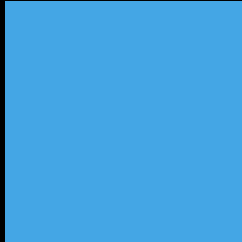
Large Text (above 18pt) WCAG AA × Fail

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 34.1585, 0.2103, 0.2381 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

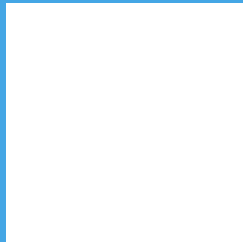
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 34.1585, 0.2103, 0.2381

Background



This preview shows how black text looks on a background with the Yxy color 34.1585, 0.2103, 0.2381.



This preview shows how white text looks on a background with the Yxy color 34.1585, 0.2103, 0.2381.

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

34.1585, 0.2103, 0.2381

Protanopia

33.9284, 0.2474, 0.2401

Deuteranopia

33.9064, 0.2334, 0.2276



Tritanopia

34.2963, 0.2227, 0.3058

Trichromacy



Original Color

34.1585, 0.2103, 0.2381

Protanomaly

33.5687, 0.2305, 0.2388

Deuteranomaly

33.7978, 0.2230, 0.2314

Tritanomaly

34.0660, 0.2172, 0.2785

Monochromacy



Original Color

34.1585, 0.2103, 0.2381

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

29.2646, 0.2610, 0.2919

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.1585, 0.2103, 0.2381 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(68, 166, 229)` looks like.

```
.text, #text, p{  
    color:rgb(68, 166, 229)  
}
```

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(68, 166, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 166, 229) }
```

Border

The CSS property to change the border of an element to Yxy 34.1585, 0.2103, 0.2381 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(68, 166, 229) }
```

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

```
.border{ border-color:rgb(68, 166, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 166, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 166, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 166, 229);  
box-shadow:4px 4px 4px 4px rgb(68, 166,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 34.1585, 0.2103, 0.2381 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 166, 229) }
```

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

```
.background{ background-color: rgb(68, 166,  
229) }
```

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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