

Converting Colors

$Yxy(34.0581, 0.2231, 0.2511)$

Have a look what the booklet for
Yxy(34.0581, 0.2231, 0.2511)
contains.

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Color

Yxy(34.1459, 0.2233, 0.2515)

Conversions

Conversions Part 1

Format	Color
Hex	5AA5DA
RGB	90, 165, 218
RGB Percent	35%, 65%, 85%
CMY	0.6474, 0.3529, 0.1452
CMYK	0.59, 0.24, 0.00, 0.15
HSL	205°, 63%, 60%
HSV	205°, 59%, 85%
XYZ	30.3172, 34.1459, 71.3059
YIQ	148.6170, -61.7130, 0.5830

Conversions

Conversions Part 2

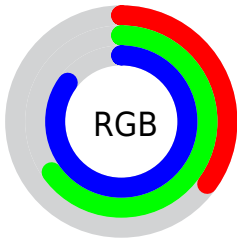
Format	Color
R_{YB}	90, 137, 218
Decimal	5940698
CIE _{Lab}	65.08, -7.85, -33.89
CIE _{LCh}	65, 34.787, 256.964
Yxy	34.1459, 0.2233, 0.2515
Android (android.graphics.Color)	4284130778 (0xFF5AA5DA)
YUV	148.6170, 34.2058, -51.4071
Hunter-Lab	58.4345, -9.6503, -31.4457

Details

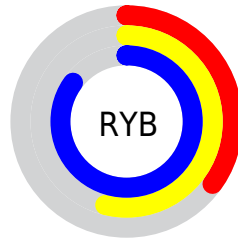
The Yxy color **34.1459, 0.2233, 0.2515** is a light color, and the websafe version is hex **6699CC**. The color can be described as light muted azure. A complement of this color would be **35.2448, 0.4500, 0.3911**, and the grayscale version is **29.7511, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.7960, 0.2491, 0.2880**, and **14.5257, 0.1978, 0.2271** is the 20% darker color. If you saturate the color by 10%, you get **30.0724, 0.2109, 0.2355**, and if you desaturate by 10%, it is **38.7713, 0.2372, 0.2670**.

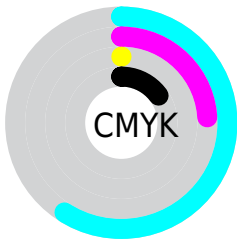
Distribution



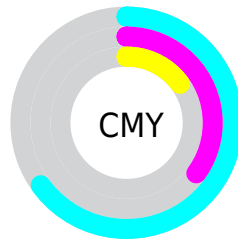
- Red (35%)
- Green (65%)
- Blue (85%)



- Red (35%)
- Yellow (54%)
- Blue (85%)



- Cyan (59%)
- Magenta (24%)
- Yellow (0%)
- Black (15%)



- Cyan (65%)
- Magenta (35%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 34.1459, 0.2233, 0.2515 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 34.1459, 0.2233, 0.2515 by changing the saturation by 10% instead.

■ 34.1459, 0.2233,
0.2515

■ 34.1459, 0.2233,
0.2515

■ 320.7821, 0.2684,
0.2916

■ 23.0057, 0.2122,
0.2413

■ 66.1605, 0.2396,
0.2663

■ 14.5977, 0.1981,
0.2282

■ 87.8037, 0.2458,
0.2718

■ 8.5375, 0.1797,
0.2108

■ 113.7167, 0.2510,
0.2764

■ 4.4408, 0.1551,
0.1870

■ 144.2838, 0.2555,
0.2803

■ 1.9231, 0.1214,
0.1531

■ 179.8895, 0.2594,
0.2837

■ 0.5622, 0.0610,
0.1000

■ 220.9182, 0.2628,

■ 0.0000, 0.0000,

0.2867

0.0000

267.7543, 0.2657,
0.2893

■ 34.1459, 0.2233,
0.2515

■ 34.1459, 0.2233,
0.2515

■ 30.0724, 0.2109,
0.2355

■ 38.7713, 0.2372,
0.2670

■ 26.5136, 0.2004,
0.2193

■ 43.9751, 0.2522,
0.2818

■ 23.4317, 0.1920,
0.2034

■ 49.7856, 0.2677,
0.2956

■ 20.7691, 0.1857,
0.1879

■ 56.2282, 0.2835,
0.3083

■ 20.4566, 0.1850,
0.1860

■ 63.3264, 0.2992,
0.3198

71.1023, 0.3146,
0.3302

79.5770, 0.3294,
0.3395

86.9647, 0.3371,
0.3481

92.3202, 0.3358,
0.3568

Harmonies

Analogous

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



34.1459, 0.2157, 0.2803



34.1459, 0.2233, 0.2515



34.1459, 0.2525, 0.2438

Triad

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



34.1459, 0.2233, 0.2515



34.1459, 0.4006, 0.3208



34.1459, 0.3183, 0.4200

Complementary

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



34.1459, 0.2233, 0.2515



35.2448, 0.4500, 0.3911

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.



34.1459, 0.3700, 0.4252



34.1459, 0.2233, 0.2515



34.1459, 0.4204, 0.3631

Square

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



34.1459, 0.2233, 0.2515



34.1459, 0.3547, 0.2827



34.1459, 0.4081, 0.4017



34.1459, 0.2676, 0.3823

Rectangle

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



34.1459, 0.2233, 0.2515



34.1459, 0.2824, 0.2495



34.1459, 0.4081, 0.4017



34.1459, 0.3361, 0.4256

Sweetspot

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



34.1471, 0.2233, 0.2515



80.7918, 0.2845, 0.3090



54.2272, 0.2789, 0.4436



16.6913, 0.2798, 0.3054



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.



34.1471, 0.2233, 0.2515



41.3692, 0.2077, 0.2308



16.8749, 0.2027, 0.1577



13.8798, 0.2982, 0.3191



12.4754, 0.1856, 0.1882



0.9766, 0.1926, 0.2135

Inverse Universe

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



24.9169, 0.3835, 0.2428



29.4515, 0.4071, 0.2308



59.3827, 0.4037, 0.4556



13.1790, 0.3201, 0.3154



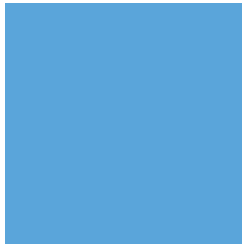
9.8832, 0.4588, 0.2301



0.6573, 0.4303, 0.2144

Previews

White Background



This preview shows how the Yxy color 34.1459, 0.2233, 0.2515 looks on a white background.

Color Contrast Check

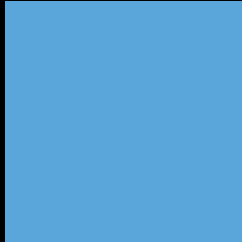
Large Text (above 18pt) WCAG AA × Fail

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 34.1459, 0.2233, 0.2515 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

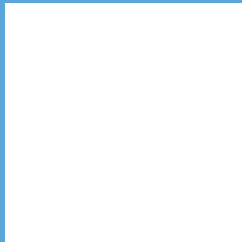
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 34.1459, 0.2233, 0.2515

Background



This preview shows how black text looks on a background with the Yxy color 34.1459, 0.2233, 0.2515.



This preview shows how white text looks on a background with the Yxy color 34.1459, 0.2233, 0.2515.

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

34.1459, 0.2233, 0.2515

Protanopia

33.7586, 0.2567, 0.2524

Deuteranopia

33.7609, 0.2460, 0.2398



Tritanopia

34.1651, 0.2357, 0.3062

Trichromacy



Original Color

34.1459, 0.2233, 0.2515

Protanomaly

33.7379, 0.2422, 0.2519

Deuteranomaly

33.8327, 0.2369, 0.2444

Tritanomaly

34.1565, 0.2309, 0.2852

Monochromacy



Original Color

34.1459, 0.2233, 0.2515

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

31.0879, 0.2720, 0.2992

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.1459, 0.2233, 0.2515 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(90, 165, 218)` looks like.

```
.text, #text, p{  
    color:rgb(90, 165, 218)  
}
```

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(90, 165, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 165, 218) }
```

Border

The CSS property to change the border of an element to Yxy 34.1459, 0.2233, 0.2515 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(90, 165, 218) }
```

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

```
.border{ border-color:rgb(90, 165, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 165, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 165, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 165, 218);  
box-shadow:4px 4px 4px 4px rgb(90, 165,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 34.1459, 0.2233, 0.2515 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 165, 218) }
```

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

```
.background{ background-color: rgb(90, 165,  
218) }
```

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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