

Converting Colors

$Y_{xy}(35.1539, 0.2590, 0.2828)$

Have a look what the booklet for
Yxy(35.1539, 0.2590, 0.2828)
contains.

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Color

Yxy(35.1582, 0.2594, 0.2834)

Conversions

Conversions Part 1

Format	Color
Hex	81A4C3
RGB	129, 164, 195
RGB Percent	51%, 64%, 76%
CMY	0.4940, 0.3569, 0.2353
CMYK	0.34, 0.16, 0.00, 0.24
HSL	208°, 35%, 64%
HSV	208°, 34%, 76%
XYZ	32.1808, 35.1582, 56.7196
YIQ	157.0690, -30.8110, 2.2210

Conversions

Conversions Part 2

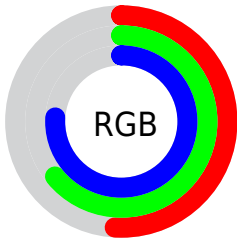
Format	Color
R_{YB}	129, 152, 195
Decimal	8496323
CIE _{Lab}	65.87, -4.41, -19.77
CIE _{LCh}	66, 20.251, 257.435
Yxy	35.1582, 0.2594, 0.2834
Android (android.graphics.Color)	4286686403 (0xFF81A4C3)
YUV	157.0690, 18.7000, -24.6165
Hunter-Lab	59.2944, -6.8879, -15.2094

Details

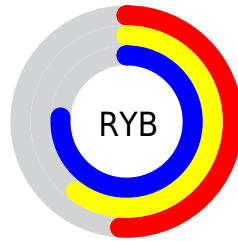
The Yxy color **35.1582, 0.2594, 0.2834** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **38.3360, 0.3772, 0.3704**, and the grayscale version is **33.6764, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.7586, 0.2690, 0.2920**, and **15.0892, 0.2433, 0.2688** is the 20% darker color. If you saturate the color by 10%, you get **30.6131, 0.2436, 0.2671**, and if you desaturate by 10%, it is **40.2337, 0.2754, 0.2985**.

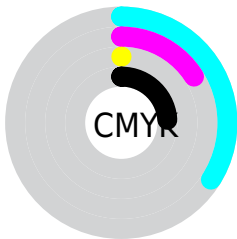
Distribution



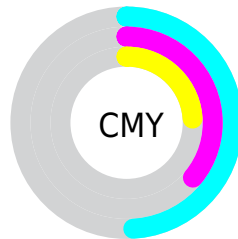
- Red (51%)
- Green (64%)
- Blue (76%)



- Red (51%)
- Yellow (60%)
- Blue (76%)



- Cyan (34%)
- Magenta (16%)
- Yellow (0%)
- Black (24%)



- Cyan (49%)
- Magenta (36%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 35.1582, 0.2594, 0.2834 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 35.1582, 0.2594, 0.2834 by changing the saturation by 10% instead.

■ 35.1582, 0.2594,
0.2834

■ 35.1582, 0.2594,
0.2834

■ 325.2661, 0.2868,
0.3072

■ 23.7848, 0.2524,
0.2772

■ 67.7308, 0.2695,
0.2923

■ 15.1740, 0.2432,
0.2690

■ 89.6987, 0.2733,
0.2955

■ 8.9416, 0.2309,
0.2579

■ 115.9669, 0.2764,
0.2983

■ 4.7031, 0.2135,
0.2420

■ 146.9198, 0.2791,
0.3006

■ 2.0741, 0.1874,
0.2174

■ 182.9418, 0.2814,
0.3026

■ 0.6500, 0.1363,
0.1736

■ 224.4172, 0.2835,

■ 0.0000, 0.0000,

0.3043

0.0000

271.7305, 0.2852,
0.3059

■ 35.1582, 0.2594,
0.2834

■ 35.1582, 0.2594,
0.2834

■ 30.6131, 0.2436,
0.2671

■ 40.2337, 0.2754,
0.2985

■ 26.5728, 0.2285,
0.2499

■ 45.8556, 0.2914,
0.3122

■ 23.0151, 0.2145,
0.2319

■ 52.0442, 0.3069,
0.3246

■ 19.9143, 0.2022,
0.2136

■ 58.8173, 0.3218,
0.3357

■ 17.2413, 0.1919,
0.1954

■ 66.1919, 0.3360,
0.3455

■ 14.9618, 0.1839,
0.1778

■ 74.1843, 0.3494,
0.3542

■ 13.7168, 0.1798,
0.1674

■ 80.7601, 0.3542,
0.3627

■ 85.9394, 0.3521,
0.3715

■ 91.3898, 0.3502,
0.3801

Harmonies

Analogous

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



35.1582, 0.2546, 0.3016



35.1582, 0.2594, 0.2834



35.1582, 0.2779, 0.2778

Triad

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



35.1582, 0.2594, 0.2834



35.1582, 0.3633, 0.3258



35.1582, 0.3167, 0.3793

Complementary

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



35.1582, 0.2594, 0.2834



38.3360, 0.3772, 0.3704

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.



35.1582, 0.3467, 0.3843



35.1582, 0.2594, 0.2834



35.1582, 0.3746, 0.3516

Square

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



35.1582, 0.2594, 0.2834



35.1582, 0.3378, 0.3018



35.1582, 0.3682, 0.3733



35.1582, 0.2866, 0.3585

Rectangle

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



35.1582, 0.2594, 0.2834



35.1582, 0.2960, 0.2810



35.1582, 0.3682, 0.3733



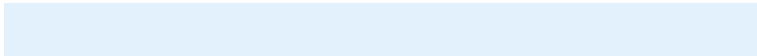
35.1582, 0.3271, 0.3829

Sweetspot

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



35.1596, 0.2594, 0.2834



86.0886, 0.2972, 0.3169



46.2305, 0.2875, 0.3809



18.5112, 0.2949, 0.3151



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.



35.1596, 0.2594, 0.2834



56.5413, 0.2470, 0.2708



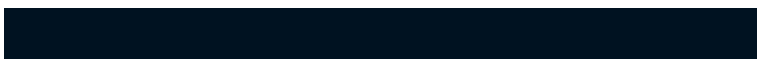
24.9000, 0.2529, 0.2328



10.6122, 0.2984, 0.3179



9.0847, 0.1805, 0.1697



0.5296, 0.1912, 0.2083

Inverse Universe

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



29.9879, 0.3496, 0.2829



46.6082, 0.3615, 0.2721



51.2397, 0.3640, 0.4099



10.1651, 0.3208, 0.3169



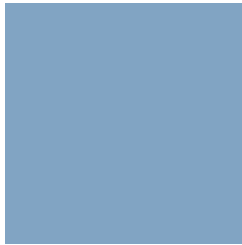
8.1993, 0.4811, 0.2424



0.3681, 0.4360, 0.2175

Previews

White Background



This preview shows how the Yxy color 35.1582, 0.2594, 0.2834 looks on a white background.

Color Contrast Check

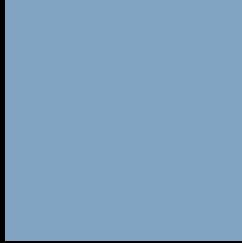
Large Text (above 18pt) WCAG AA × Fail

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 35.1582, 0.2594, 0.2834 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

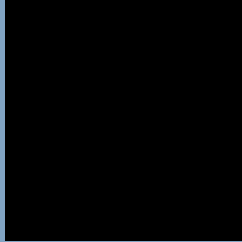
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

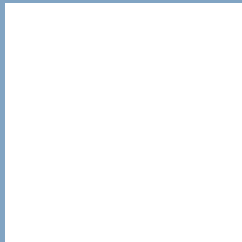
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 35.1582, 0.2594, 0.2834

Background



This preview shows how black text looks on a background with the Yxy color 35.1582, 0.2594, 0.2834.



This preview shows how white text looks on a background with the Yxy color 35.1582, 0.2594, 0.2834.

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

35.1582, 0.2594, 0.2834

Protanopia

34.9876, 0.2805, 0.2822

Deuteranopia

34.8761, 0.2782, 0.2720



Tritanopia

35.2927, 0.2672, 0.3091

Trichromacy



Original Color

35.1582, 0.2594, 0.2834

Protanomaly

34.8767, 0.2724, 0.2829

Deuteranomaly

34.8928, 0.2710, 0.2763

Tritanomaly

35.2108, 0.2643, 0.3003

Monochromacy



Original Color

35.1582, 0.2594, 0.2834

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

34.2849, 0.2913, 0.3125

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.1582, 0.2594, 0.2834 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(129, 164, 195)` looks like.

```
.text, #text, p{  
    color:rgb(129, 164, 195)  
}
```

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(129, 164, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 164, 195) }
```

Border

The CSS property to change the border of an element to Yxy 35.1582, 0.2594, 0.2834 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(129, 164, 195) }
```

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

```
.border{ border-color:rgb(129, 164, 195) }
```

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

Here you see how a box with a 4 pixel rgb(129, 164, 195) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 164, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 164, 195);  
box-shadow:4px 4px 4px 4px rgb(129, 164,  
195) }
```


Background

The CSS property to change the background color of an element to Yxy 35.1582, 0.2594, 0.2834 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 164, 195) }
```

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

```
.background{ background-color: rgb(129,  
164, 195) }
```

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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