

Converting Colors

$Y_{xy}(40.7936, 0.2539, 0.2843)$

Have a look what the booklet for
Yxy(40.7936, 0.2539, 0.2843)
contains.

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Color

Yxy(40.7936, 0.2539, 0.2843)

Conversions

Conversions Part 1

Format	Color
Hex	82B1D1
RGB	130, 177, 209
RGB Percent	51%, 69%, 82%
CMY	0.4903, 0.3058, 0.1805
CMYK	0.38, 0.15, 0.00, 0.18
HSL	204°, 46%, 66%
HSV	204°, 38%, 82%
XYZ	36.4316, 40.7936, 66.2627
YIQ	166.5950, -38.2840, -0.0120

Conversions

Conversions Part 2

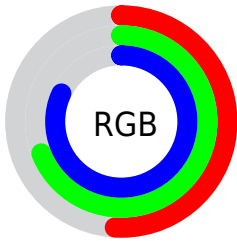
Format	Color
RYB	130, 159, 209
Decimal	8565201
CIELab	70.03, -7.62, -21.16
CIElCh	70, 22.487, 250.192
Yxy	40.7936, 0.2539, 0.2843
Android (android.graphics.Color)	4286755281 (0xFF82B1D1)
YUV	166.5950, 20.9057, -32.0938
Hunter-Lab	63.8699, -9.9553, -16.8023

Details

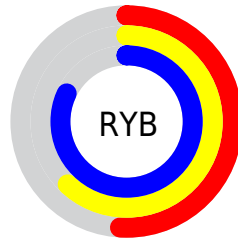
The Yxy color **40.7936, 0.2539, 0.2843** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **40.9851, 0.3896, 0.3694**, and the grayscale version is **38.3451, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.8121, 0.2702, 0.3048**, and **18.3262, 0.2379, 0.2707** is the 20% darker color. If you saturate the color by 10%, you get **36.0692, 0.2390, 0.2700**, and if you desaturate by 10%, it is **46.0638, 0.2694, 0.2976**.

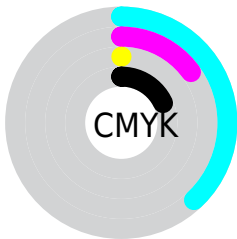
Distribution



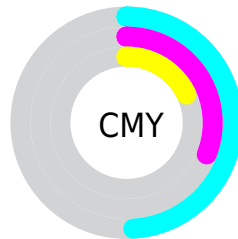
- Red (51%)
- Green (69%)
- Blue (82%)



- Red (51%)
- Yellow (62%)
- Blue (82%)



- Cyan (38%)
- Magenta (15%)
- Yellow (0%)
- Black (18%)



- Cyan (49%)
- Magenta (31%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.7936, 0.2539, 0.2843 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 40.7936, 0.2539, 0.2843 by changing the saturation by 10% instead.

■ 40.7936, 0.2539,
0.2843

■ 40.7936, 0.2539,
0.2843

■ 349.4572, 0.2833,
0.3072

■ 28.1578, 0.2466,
0.2784

■ 76.3705, 0.2646,
0.2927

■ 18.4447, 0.2373,
0.2709

■ 100.0804, 0.2686,
0.2959

■ 11.2697, 0.2251,
0.2607

■ 128.2505, 0.2720,
0.2985

■ 6.2486, 0.2083,
0.2465

■ 161.2651, 0.2749,
0.3008

■ 2.9968, 0.1841,
0.2252

■ 199.5087, 0.2774,
0.3027

■ 1.1301, 0.1469,
0.1909

■ 243.3657, 0.2796,

■ 0.0034, 0.0000,

0.3044

0.0022

293.2204, 0.2816,
0.3059

0.0000, 0.0000,
0.0000

40.7936, 0.2539,
0.2843

40.7936, 0.2539,
0.2843

36.0692, 0.2390,
0.2700

46.0638, 0.2694,
0.2976

31.8617, 0.2251,
0.2549

51.8973, 0.2851,
0.3099

28.1461, 0.2127,
0.2394

58.3167, 0.3007,
0.3211

24.8929, 0.2021,
0.2236

65.3416, 0.3160,
0.3311

22.0678, 0.1936,
0.2080

72.9905, 0.3308,
0.3401

■ 19.6235, 0.1873,
0.1928

■ 81.2122, 0.3446,
0.3480

■ 19.1224, 0.1860,
0.1895

■ 85.9727, 0.3431,
0.3563

■ 90.9640, 0.3417,
0.3644

■ 96.1889, 0.3403,
0.3723

Harmonies

Analogous

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



40.7936, 0.2525, 0.3063



40.7936, 0.2539, 0.2843



40.7936, 0.2701, 0.2752

Triad

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



40.7936, 0.2539, 0.2843



40.7936, 0.3608, 0.3190



40.7936, 0.3248, 0.3852

Complementary

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



40.7936, 0.2539, 0.2843



40.9851, 0.3896, 0.3694

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.



40.7936, 0.3552, 0.3860



40.7936, 0.2539, 0.2843



40.7936, 0.3770, 0.3462

Square

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



40.7936, 0.2539, 0.2843



40.7936, 0.3313, 0.2952



40.7936, 0.3747, 0.3709



40.7936, 0.2923, 0.3668

Rectangle

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



40.7936, 0.2539, 0.2843



40.7936, 0.2877, 0.2766



40.7936, 0.3747, 0.3709



40.7936, 0.3356, 0.3875

Sweetspot

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



40.7952, 0.2539, 0.2843



88.0334, 0.2956, 0.3175



52.9294, 0.2881, 0.3962



18.5445, 0.2934, 0.3160



0.0000, 0.0000, 0.0000



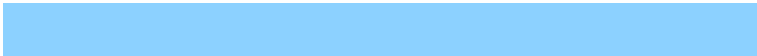
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



40.7952, 0.2539, 0.2843



58.2054, 0.2423, 0.2734



27.4878, 0.2455, 0.2266



12.5711, 0.2983, 0.3194



11.9905, 0.1866, 0.1917



0.8240, 0.1943, 0.2195

Inverse Universe

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



32.6861, 0.3500, 0.2711



44.6713, 0.3607, 0.2595



56.9747, 0.3722, 0.4140



11.9247, 0.3199, 0.3152



9.2817, 0.4548, 0.2279



0.5345, 0.4237, 0.2108

Previews

White Background



This preview shows how the Yxy color 40.7936, 0.2539, 0.2843 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 40.7936, 0.2539, 0.2843 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

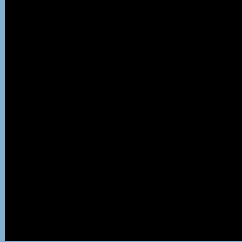
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

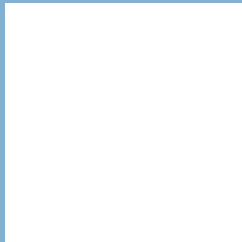
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.7936, 0.2539, 0.2843

Background



This preview shows how black text looks on a background with the Yxy color 40.7936, 0.2539, 0.2843.

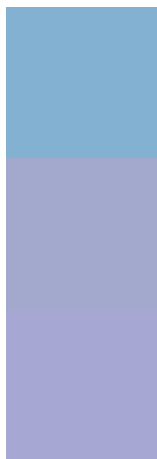


This preview shows how white text looks on a background with the Yxy color 40.7936, 0.2539, 0.2843.

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

40.7936, 0.2539, 0.2843

Protanopia

40.5221, 0.2800, 0.2823

Deuteranopia

40.5561, 0.2780, 0.2716



Tritanopia

40.9732, 0.2611, 0.3086

Trichromacy



Original Color

40.7936, 0.2539, 0.2843

Protanomaly

40.5406, 0.2696, 0.2828

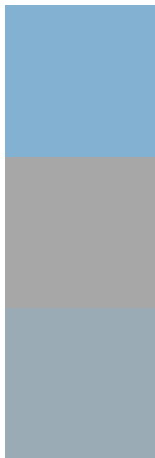
Deuteranomaly

40.6490, 0.2690, 0.2767

Tritanomaly

40.8757, 0.2584, 0.3003

Monochromacy



Original Color

40.7936, 0.2539, 0.2843

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

39.3732, 0.2892, 0.3134

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.7936, 0.2539, 0.2843 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(130, 177, 209)` looks like.

```
.text, #text, p{  
    color:rgb(130, 177, 209)  
}
```

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(130, 177, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 177, 209) }
```

Border

The CSS property to change the border of an element to Yxy 40.7936, 0.2539, 0.2843 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(130, 177, 209) }
```

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

```
.border{ border-color:rgb(130, 177, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 177, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 177, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 177, 209);  
box-shadow:4px 4px 4px 4px rgb(130, 177,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 40.7936, 0.2539, 0.2843 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 177, 209) }
```

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

```
.background{ background-color: rgb(130,  
177, 209) }
```

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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