

Converting Colors

$Yxy(40.1487, 0.2536, 0.2853)$

Have a look what the booklet for
Yxy(40.1487, 0.2536, 0.2853)
contains.

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Color

Yxy(40.1449, 0.2536, 0.2853)

Conversions

Conversions Part 1

Format	Color
Hex	80B0CF
RGB	128, 176, 207
RGB Percent	50%, 69%, 81%
CMY	0.4981, 0.3098, 0.1883
CMYK	0.38, 0.15, 0.00, 0.19
HSL	204°, 45%, 66%
HSV	204°, 38%, 81%
XYZ	35.6844, 40.1449, 64.8819
YIQ	165.1820, -38.5590, -0.5350

Conversions

Conversions Part 2

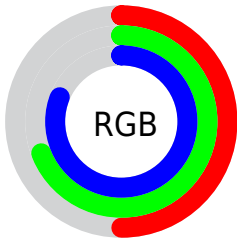
Format	Color
R_{YB}	128, 158, 207
Decimal	8433871
CIE _{Lab}	69.57, -8.14, -20.76
CIE _{LCh}	70, 22.302, 248.580
Yxy	40.1449, 0.2536, 0.2853
Android (android.graphics.Color)	4286623951 (0xFF80B0CF)
YUV	165.1820, 20.6163, -32.6086
Hunter-Lab	63.3600, -10.3488, -16.3622

Details

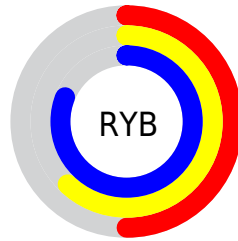
The Yxy color **40.1449, 0.2536, 0.2853** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **39.5950, 0.3910, 0.3685**, and the grayscale version is **37.6299, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.0005, 0.2689, 0.3036**, and **18.1711, 0.2364, 0.2722** is the 20% darker color. If you saturate the color by 10%, you get **35.6151, 0.2389, 0.2715**, and if you desaturate by 10%, it is **45.1952, 0.2690, 0.2982**.

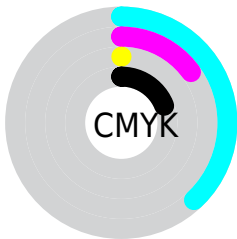
Distribution



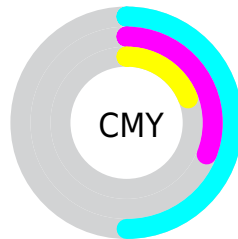
- Red (50%)
- Green (69%)
- Blue (81%)



- Red (50%)
- Yellow (62%)
- Blue (81%)



- Cyan (38%)
- Magenta (15%)
- Yellow (0%)
- Black (19%)



- Cyan (50%)
- Magenta (31%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.1449, 0.2536, 0.2853 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 40.1449, 0.2536, 0.2853 by changing the saturation by 10% instead.

■ 40.1449, 0.2536,
0.2853

■ 40.1449, 0.2536,
0.2853

346.7339, 0.2832,
0.3078

■ 27.6515, 0.2462,
0.2795

■ 75.3841, 0.2644,
0.2936

■ 18.0631, 0.2368,
0.2720

■ 98.8988, 0.2684,
0.2967

■ 10.9953, 0.2244,
0.2619

■ 126.8559, 0.2718,
0.2993

■ 6.0637, 0.2073,
0.2477

159.6401, 0.2747,
0.3015

■ 2.8839, 0.1826,
0.2263

197.6355, 0.2773,
0.3034

■ 1.0714, 0.1446,
0.1916

241.2267, 0.2795,

■ 0.0000, 0.0000,

0.3051

0.0000

290.7981, 0.2815,
0.3065

■ 40.1449, 0.2536,
0.2853

■ 40.1449, 0.2536,
0.2853

■ 35.6151, 0.2389,
0.2715

■ 45.1952, 0.2690,
0.2982

■ 31.5779, 0.2252,
0.2569

■ 50.7830, 0.2846,
0.3101

■ 28.0092, 0.2131,
0.2419

■ 56.9299, 0.3002,
0.3210

■ 24.8803, 0.2027,
0.2266

■ 63.6548, 0.3155,
0.3307

■ 22.1580, 0.1945,
0.2115

■ 70.9757, 0.3303,
0.3394

■ 19.7946, 0.1883,
0.1968

■ 78.9096, 0.3444,
0.3471

■ 19.3876, 0.1873,
0.1941

■ 83.9267, 0.3451,
0.3550

■ 88.6206, 0.3436,
0.3628

■ 93.5283, 0.3422,
0.3705

Harmonies

Analogous

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



40.1449, 0.2530, 0.3078



40.1449, 0.2536, 0.2853



40.1449, 0.2690, 0.2755

Triad

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



40.1449, 0.2536, 0.2853



40.1449, 0.3594, 0.3176



40.1449, 0.3266, 0.3856

Complementary

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



40.1449, 0.2536, 0.2853



39.5950, 0.3910, 0.3685

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.



40.1449, 0.3565, 0.3854



40.1449, 0.2536, 0.2853



40.1449, 0.3764, 0.3447

Square

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



40.1449, 0.2536, 0.2853



40.1449, 0.3295, 0.2942



40.1449, 0.3751, 0.3696



40.1449, 0.2940, 0.3680

Rectangle

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



40.1449, 0.2536, 0.2853



40.1449, 0.2862, 0.2764



40.1449, 0.3751, 0.3696



40.1449, 0.3373, 0.3875

Sweetspot

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



40.1465, 0.2536, 0.2853



88.2478, 0.2956, 0.3179



51.6779, 0.2887, 0.3989



18.5956, 0.2935, 0.3164



0.0000, 0.0000, 0.0000



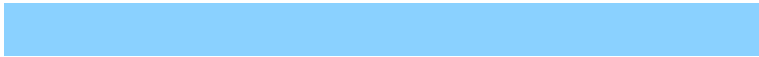
21.4041, 0.3127, 0.3290

Same Dimension

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



40.1465, 0.2536, 0.2853



58.2110, 0.2412, 0.2738



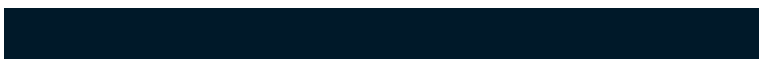
27.0376, 0.2451, 0.2275



12.5967, 0.2983, 0.3197



12.4073, 0.1878, 0.1962



0.8458, 0.1953, 0.2232

Inverse Universe

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



31.8292, 0.3494, 0.2694



43.9557, 0.3607, 0.2566



55.0969, 0.3733, 0.4134



11.9273, 0.3197, 0.3150



9.3238, 0.4496, 0.2251



0.5367, 0.4198, 0.2086

Previews

White Background



This preview shows how the Yxy color 40.1449, 0.2536, 0.2853 looks on a white background.

Color Contrast Check

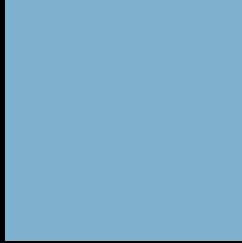
Large Text (above 18pt) WCAG AA × Fail

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 40.1449, 0.2536, 0.2853 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

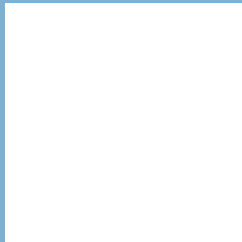
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.1449, 0.2536, 0.2853

Background



This preview shows how black text looks on a background with the Yxy color 40.1449, 0.2536, 0.2853.

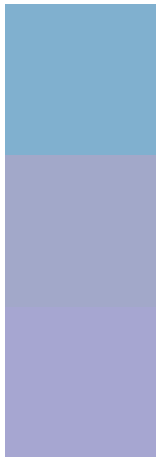


This preview shows how white text looks on a background with the Yxy color 40.1449, 0.2536, 0.2853.

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

40.1449, 0.2536, 0.2853

Protanopia

39.9037, 0.2813, 0.2846

Deuteranopia

39.9829, 0.2785, 0.2725



Tritanopia

39.9761, 0.2600, 0.3070

Trichromacy



Original Color

40.1449, 0.2536, 0.2853

Protanomaly

39.9216, 0.2708, 0.2851

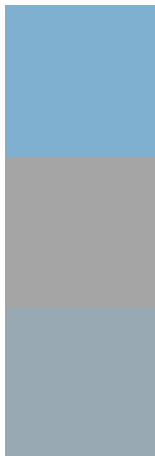
Deuteranomaly

39.9789, 0.2687, 0.2776

Tritanomaly

39.8815, 0.2573, 0.2986

Monochromacy



Original Color

40.1449, 0.2536, 0.2853

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

38.3466, 0.2889, 0.3132

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.1449, 0.2536, 0.2853 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(128, 176, 207)` looks like.

```
.text, #text, p{  
    color:rgb(128, 176, 207)  
}
```

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(128, 176, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 176, 207) }
```

Border

The CSS property to change the border of an element to Yxy 40.1449, 0.2536, 0.2853 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(128, 176, 207) }
```

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

```
.border{ border-color:rgb(128, 176, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 176, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 176, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 176, 207);  
box-shadow:4px 4px 4px 4px rgb(128, 176,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 40.1449, 0.2536, 0.2853 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 176, 207) }
```

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

```
.background{ background-color: rgb(128,  
176, 207) }
```

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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