

Converting Colors

$Yxy(40.9367, 0.2515, 0.2873)$

Have a look what the booklet for
Yxy(40.9367, 0.2515, 0.2873)
contains.

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Color

Yxy(40.7548, 0.2515, 0.2867)

Conversions

Conversions Part 1

Format	Color
Hex	7DB2D0
RGB	125, 178, 208
RGB Percent	49%, 70%, 82%
CMY	0.5102, 0.3019, 0.1844
CMYK	0.40, 0.14, 0.00, 0.18
HSL	202°, 47%, 65%
HSV	202°, 40%, 82%
XYZ	35.7511, 40.7548, 65.6455
YIQ	165.5730, -41.2180, -1.9060

Conversions

Conversions Part 2

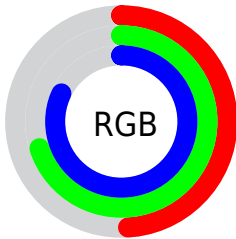
Format	Color
RYB	125, 157, 208
Decimal	8237776
CIELab	70.00, -9.78, -20.68
CIELCh	70, 22.871, 244.689
Yxy	40.7548, 0.2515, 0.2867
Android (android.graphics.Color)	4286427856 (0xFF7DB2D0)
YUV	165.5730, 20.9165, -35.5825
Hunter-Lab	63.8395, -11.7564, -16.2797

Details

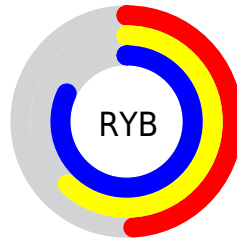
The Yxy color **40.7548, 0.2515, 0.2867** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **38.2854, 0.3971, 0.3672**, and the grayscale version is **37.8205, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.7689, 0.2675, 0.3058**, and **18.3399, 0.2339, 0.2722** is the 20% darker color. If you saturate the color by 10%, you get **36.4486, 0.2373, 0.2739**, and if you desaturate by 10%, it is **45.5551, 0.2665, 0.2987**.

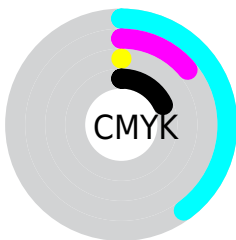
Distribution



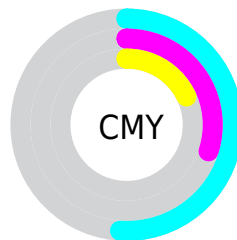
- Red (49%)
- Green (70%)
- Blue (82%)



- Red (49%)
- Yellow (62%)
- Blue (82%)



- Cyan (40%)
- Magenta (14%)
- Yellow (0%)
- Black (18%)



- Cyan (51%)
- Magenta (30%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.7548, 0.2515, 0.2867 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 40.7548, 0.2515, 0.2867 by changing the saturation by 10% instead.

■ 40.7548, 0.2515,
0.2867

■ 40.7548, 0.2515,
0.2867

■ 349.2948, 0.2821,
0.3085

■ 28.1275, 0.2439,
0.2811

■ 76.3115, 0.2626,
0.2948

■ 18.4218, 0.2343,
0.2738

■ 100.0098, 0.2667,
0.2978

■ 11.2533, 0.2216,
0.2640

■ 128.1672, 0.2703,
0.3003

■ 6.2374, 0.2043,
0.2501

■ 161.1681, 0.2733,
0.3024

■ 2.9900, 0.1793,
0.2293

■ 199.3969, 0.2759,
0.3043

■ 1.1265, 0.1411,
0.1953

■ 243.2380, 0.2782,

■ 0.0004, 0.0000,

0.3059

0.0003

293.0758, 0.2803,
0.3073

0.0000, 0.0000,
0.0000

40.7548, 0.2515,
0.2867

40.7548, 0.2515,
0.2867

36.4486, 0.2373,
0.2739

45.5551, 0.2665,
0.2987

32.6084, 0.2243,
0.2605

50.8660, 0.2819,
0.3098

29.2103, 0.2129,
0.2467

56.7090, 0.2974,
0.3199

26.2254, 0.2034,
0.2328

63.1029, 0.3128,
0.3291

23.6198, 0.1960,
0.2190

70.0651, 0.3278,
0.3372

■ 21.3339, 0.1904,
0.2054

■ 77.6124, 0.3422,
0.3445

■ 21.3213, 0.1904,
0.2054

■ 82.7021, 0.3448,
0.3517

■ 86.9801, 0.3435,
0.3590

■ 91.4401, 0.3422,
0.3662

Harmonies

Analogous

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



40.7548, 0.2529, 0.3111



40.7548, 0.2515, 0.2867



40.7548, 0.2653, 0.2749

Triad

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



40.7548, 0.2515, 0.2867



40.7548, 0.3569, 0.3140



40.7548, 0.3311, 0.3878

Complementary

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



40.7548, 0.2515, 0.2867



38.2854, 0.3971, 0.3672

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.



40.7548, 0.3606, 0.3852



40.7548, 0.2515, 0.2867



40.7548, 0.3764, 0.3414

Square

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



40.7548, 0.2515, 0.2867



40.7548, 0.3254, 0.2909



40.7548, 0.3776, 0.3674



40.7548, 0.2977, 0.3721

Rectangle

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



40.7548, 0.2515, 0.2867



40.7548, 0.2819, 0.2748



40.7548, 0.3776, 0.3674



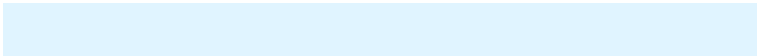
40.7548, 0.3418, 0.3889

Sweetspot

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



40.7564, 0.2515, 0.2867



87.8111, 0.2940, 0.3178



51.7896, 0.2894, 0.4070



18.5279, 0.2920, 0.3165



0.0000, 0.0000, 0.0000



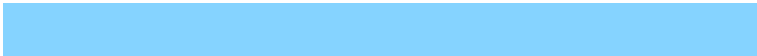
21.4041, 0.3127, 0.3290

Same Dimension

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



40.7564, 0.2515, 0.2867



58.6913, 0.2392, 0.2757



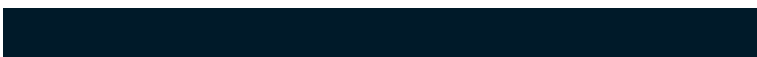
26.9033, 0.2421, 0.2260



12.6600, 0.2983, 0.3204



13.4799, 0.1909, 0.2073



0.9013, 0.1978, 0.2321

Inverse Universe

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



31.2671, 0.3487, 0.2636



42.6217, 0.3597, 0.2500



54.1507, 0.3774, 0.4143



11.9337, 0.3192, 0.3142



9.4321, 0.4371, 0.2182



0.5423, 0.4104, 0.2034

Previews

White Background



This preview shows how the Yxy color 40.7548, 0.2515, 0.2867 looks on a white background.

Color Contrast Check

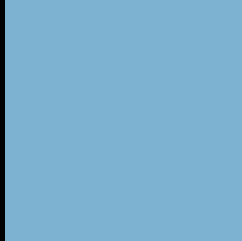
Large Text (above 18pt) WCAG AA × Fail

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 40.7548, 0.2515, 0.2867 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

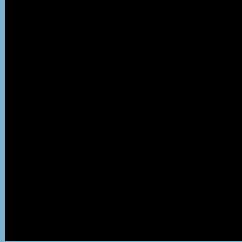
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.7548, 0.2515, 0.2867

Background



This preview shows how black text looks on a background with the Yxy color 40.7548, 0.2515, 0.2867.



This preview shows how white text looks on a background with the Yxy color 40.7548, 0.2515, 0.2867.

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

40.7548, 0.2515, 0.2867

Protanopia

40.5327, 0.2823, 0.2849

Deuteranopia

40.5061, 0.2787, 0.2728



Tritanopia

40.6476, 0.2573, 0.3070

Trichromacy



Original Color

40.7548, 0.2515, 0.2867

Protanomaly

40.3487, 0.2702, 0.2852

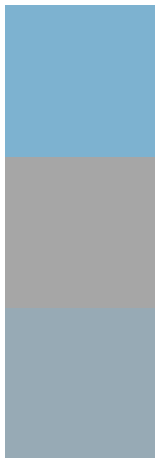
Deuteranomaly

40.4047, 0.2682, 0.2777

Tritanomaly

40.5479, 0.2546, 0.2987

Monochromacy



Original Color

40.7548, 0.2515, 0.2867

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

38.6650, 0.2874, 0.3132

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.7548, 0.2515, 0.2867 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(125, 178, 208)` looks like.

```
.text, #text, p{  
    color:rgb(125, 178, 208)  
}
```

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(125, 178, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 178, 208) }
```

Border

The CSS property to change the border of an element to Yxy 40.7548, 0.2515, 0.2867 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(125, 178, 208) }
```

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

```
.border{ border-color:rgb(125, 178, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 178, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(125, 178, 208); -webkit-box-shadow:4px 4px 4px 4px rgb(125, 178, 208); box-shadow:4px 4px 4px 4px rgb(125, 178, 208) }
```


Background

The CSS property to change the background color of an element to Yxy 40.7548, 0.2515, 0.2867 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 178, 208) }
```

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

```
.background{ background-color: rgb(125,  
178, 208) }
```

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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