

Converting Colors

$Y_{xy}(41.1325, 0.2305, 0.2786)$

Have a look what the booklet for
Yxy(41.1325, 0.2305, 0.2786)
contains.

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Color

Yxy(41.2561, 0.2307, 0.2790)

Conversions

Conversions Part 1

Format	Color
Hex	5DB7DA
RGB	93, 183, 218
RGB Percent	36%, 72%, 85%
CMY	0.6347, 0.2824, 0.1451
CMYK	0.57, 0.16, 0.00, 0.15
HSL	197°, 63%, 61%
HSV	197°, 57%, 85%
XYZ	34.1139, 41.2561, 72.5013
YIQ	160.0800, -64.8750, -8.1950

Conversions

Conversions Part 2

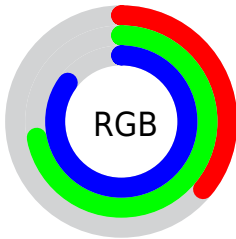
Format	Color
RYB	93, 145, 218
Decimal	6141914
CIELab	70.35, -16.89, -25.76
CIELCh	70, 30.801, 236.750
Yxy	41.2561, 0.2307, 0.2790
Android (android.graphics.Color)	4284331994 (0xFF5DB7DA)
YUV	160.0800, 28.5546, -58.8292
Hunter-Lab	64.2309, -17.6003, -21.9626

Details

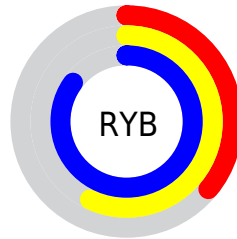
The Yxy color **41.2561, 0.2307, 0.2790** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted azure. A complement of this color would be **31.1827, 0.4589, 0.3704**, and the grayscale version is **35.0975, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.6284, 0.2541, 0.3107**, and **18.7288, 0.2087, 0.2636** is the 20% darker color. If you saturate the color by 10%, you get **37.8076, 0.2200, 0.2685**, and if you desaturate by 10%, it is **45.1417, 0.2430, 0.2891**.

Distribution



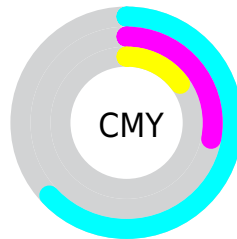
- Red (36%)
- Green (72%)
- Blue (85%)



- Red (36%)
- Yellow (57%)
- Blue (85%)



- Cyan (57%)
- Magenta (16%)
- Yellow (0%)
- Black (15%)



- Cyan (63%)
- Magenta (28%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.2561, 0.2307, 0.2790 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 41.2561, 0.2307, 0.2790 by changing the saturation by 10% instead.

■ 41.2561, 0.2307,
0.2790

■ 41.2561, 0.2307,
0.2790

■ 351.3898, 0.2710,
0.3050

■ 28.5193, 0.2210,
0.2723

■ 77.0725, 0.2451,
0.2887

■ 18.7174, 0.2087,
0.2636

■ 100.9209, 0.2506,
0.2922

■ 11.4663, 0.1929,
0.2519

■ 129.2418, 0.2553,
0.2952

■ 6.3814, 0.1717,
0.2355

■ 162.4198, 0.2593,
0.2978

■ 3.0783, 0.1426,
0.2113

■ 200.8392, 0.2628,
0.3000

■ 1.1728, 0.1002,
0.1734

■ 244.8844, 0.2659,

■ 0.0393, 0.0000,

0.3019

0.0180

294.9398, 0.2686,
0.3036

0.0000, 0.0000,
0.0000

41.2561, 0.2307,
0.2790

41.2561, 0.2307,
0.2790

37.8076, 0.2200,
0.2685

45.1417, 0.2430,
0.2891

34.7618, 0.2112,
0.2579

49.4861, 0.2566,
0.2988

32.0856, 0.2044,
0.2473

54.3147, 0.2711,
0.3078

29.7332, 0.1995,
0.2369

59.6496, 0.2862,
0.3162

29.1279, 0.1983,
0.2340

65.5112, 0.3015,
0.3239

71.9186, 0.3169,
0.3308

78.8900, 0.3320,
0.3370

83.9836, 0.3378,
0.3429

87.4849, 0.3369,
0.3489

Harmonies

Analogous

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



41.2561, 0.2376, 0.3147



41.2561, 0.2307, 0.2790



41.2561, 0.2434, 0.2598

Triad

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



41.2561, 0.2307, 0.2790



41.2561, 0.3618, 0.3000



41.2561, 0.3479, 0.4101

Complementary

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



41.2561, 0.2307, 0.2790



31.1827, 0.4589, 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.



41.2561, 0.3844, 0.3988



41.2561, 0.2307, 0.2790



41.2561, 0.3938, 0.3345

Square

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



41.2561, 0.2307, 0.2790



41.2561, 0.3170, 0.2729



41.2561, 0.4019, 0.3701



41.2561, 0.3035, 0.3960

Rectangle

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



41.2561, 0.2307, 0.2790



41.2561, 0.2621, 0.2569



41.2561, 0.4019, 0.3701



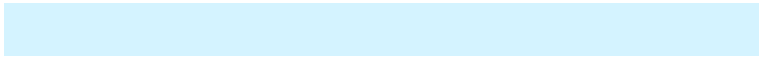
41.2561, 0.3615, 0.4089

Sweetspot

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



41.2576, 0.2307, 0.2790



85.1705, 0.2864, 0.3163



54.0007, 0.2880, 0.4657



17.8867, 0.2833, 0.3147



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.



41.2576, 0.2307, 0.2790



52.8560, 0.2178, 0.2661



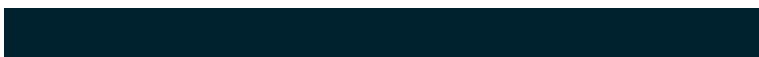
21.3850, 0.2107, 0.1864



14.1799, 0.2982, 0.3223



17.6391, 0.1988, 0.2356



1.2855, 0.2035, 0.2526

Inverse Universe

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



26.1793, 0.3592, 0.2272



31.2981, 0.3732, 0.2119



52.0413, 0.4125, 0.4375



13.2093, 0.3180, 0.3123



10.4044, 0.4069, 0.2015



0.6885, 0.3897, 0.1920

Previews

White Background



This preview shows how the Yxy color 41.2561, 0.2307, 0.2790 looks on a white background.

Color Contrast Check

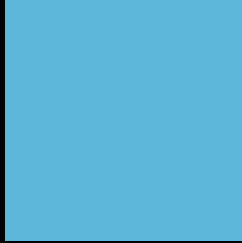
Large Text (above 18pt) WCAG AA × Fail

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 41.2561, 0.2307, 0.2790 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 41.2561, 0.2307, 0.2790

Background



This preview shows how black text looks on a background with the Yxy color 41.2561, 0.2307, 0.2790.

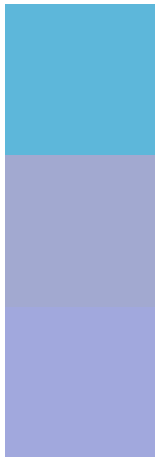


This preview shows how white text looks on a background with the Yxy color 41.2561, 0.2307, 0.2790.

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

41.2561, 0.2307, 0.2790

Protanopia

40.6114, 0.2763, 0.2773

Deuteranopia

40.8028, 0.2666, 0.2605



Tritanopia

41.3133, 0.2369, 0.3065

Trichromacy



Original Color

41.2561, 0.2307, 0.2790

Protanomaly

40.3439, 0.2561, 0.2767

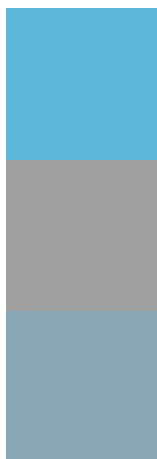
Deuteranomaly

40.2887, 0.2505, 0.2654

Tritanomaly

41.3268, 0.2349, 0.2966

Monochromacy



Original Color

41.2561, 0.2307, 0.2790

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

36.5757, 0.2751, 0.3096

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.2561, 0.2307, 0.2790 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(93, 183, 218)` looks like.

```
.text, #text, p{  
    color:rgb(93, 183, 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(93, 183, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 183, 218) }
```

Border

The CSS property to change the border of an element to Yxy 41.2561, 0.2307, 0.2790 is called "border". The border property can be set on classes, ids or directly on the HTML element.

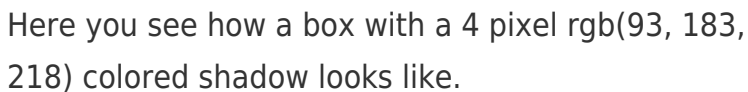
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(93, 183, 218) }
```

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

```
.border{ border-color:rgb(93, 183, 218) }
```

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



Here you see how a box with a 4 pixel `rgb(93, 183, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 183, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 183, 218);  
box-shadow:4px 4px 4px 4px rgb(93, 183,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 41.2561, 0.2307, 0.2790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 183, 218) }
```

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

```
.background{ background-color: rgb(93, 183,  
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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