

Converting Colors

$Y_{xy}(41.4998, 0.2651, 0.2850)$

Have a look what the booklet for
Yxy(41.4998, 0.2651, 0.2850)
contains.

Yxy(41.7157, 0.2652, 0.2854)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(41.7157, 0.2652, 0.2854)

Conversions

Conversions Part 1

Format	Color
Hex	92B0D0
RGB	146, 176, 208
RGB Percent	57%, 69%, 82%
CMY	0.4275, 0.3098, 0.1843
CMYK	0.30, 0.15, 0.00, 0.18
HSL	211°, 40%, 69%
HSV	211°, 30%, 82%
XYZ	38.7632, 41.7157, 65.6869
YIQ	170.6780, -28.1520, 3.5920

Conversions

Conversions Part 2

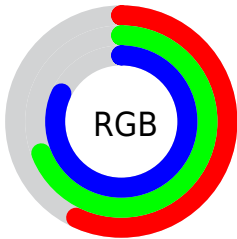
Format	Color
RYB	146, 166, 208
Decimal	9613520
CIELab	70.67, -2.80, -19.55
CIELCh	71, 19.755, 261.837
Yxy	41.7157, 0.2652, 0.2854
Android (android.graphics.Color)	4287803600 (0xFF92B0D0)
YUV	170.6780, 18.3997, -21.6426
Hunter-Lab	64.5877, -5.8993, -15.0876

Details

The Yxy color **41.7157, 0.2652, 0.2854** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **47.3221, 0.3673, 0.3689**, and the grayscale version is **40.4713, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.3507, 0.2793, 0.3044**, and **19.1281, 0.2518, 0.2728** is the 20% darker color. If you saturate the color by 10%, you get **35.9375, 0.2488, 0.2679**, and if you desaturate by 10%, it is **48.1769, 0.2816, 0.3015**.

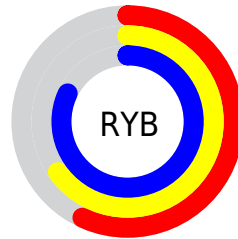
Distribution



Red (57%)

Green (69%)

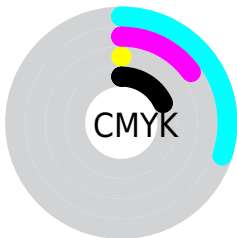
Blue (82%)



Red (57%)

Yellow (65%)

Blue (82%)

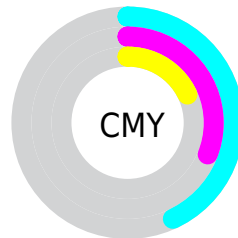


Cyan (30%)

Magenta (15%)

Yellow (0%)

Black (18%)



Cyan (43%)

Magenta (31%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.7157, 0.2652, 0.2854 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 41.7157, 0.2652, 0.2854 by changing the saturation by 10% instead.

■ 41.7157, 0.2652,
0.2854

■ 41.7157, 0.2652,
0.2854

■ 353.3030, 0.2890,
0.3075

■ 28.8787, 0.2593,
0.2798

■ 77.7692, 0.2739,
0.2935

■ 18.9891, 0.2517,
0.2727

■ 101.7545, 0.2771,
0.2965

■ 11.6624, 0.2416,
0.2631

■ 130.2247, 0.2799,
0.2990

■ 6.5142, 0.2277,
0.2499

■ 163.5642, 0.2822,
0.3012

■ 3.1602, 0.2073,
0.2302

■ 202.1574, 0.2843,
0.3031

■ 1.2159, 0.1753,
0.1986

■ 246.3886, 0.2861,

■ 0.0747, 0.0015,

0.3047

0.0463

296.6424, 0.2876,
0.3062

0.0000, 0.0000,
0.0000

41.7157, 0.2652,
0.2854

41.7157, 0.2652,
0.2854

35.9375, 0.2488,
0.2679

48.1769, 0.2816,
0.3015

30.8107, 0.2327,
0.2491

55.3407, 0.2976,
0.3161

26.3085, 0.2175,
0.2294

63.2324, 0.3130,
0.3292

22.3997, 0.2038,
0.2092

71.8741, 0.3276,
0.3409

19.0495, 0.1920,
0.1891

81.2870, 0.3413,
0.3511

■ 16.2181, 0.1826,
0.1697

■ 88.3720, 0.3430,
0.3613

■ 13.8403, 0.1755,
0.1515

■ 94.8935, 0.3412,
0.3715

■ 13.7994, 0.1753,
0.1511

■ 97.3344, 0.3406,
0.3750

Harmonies

Analogous

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



41.7157, 0.2587, 0.3007



41.7157, 0.2652, 0.2854



41.7157, 0.2840, 0.2818

Triad

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



41.7157, 0.2652, 0.2854



41.7157, 0.3618, 0.3297



41.7157, 0.3122, 0.3731

Complementary

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



41.7157, 0.2652, 0.2854



47.3221, 0.3673, 0.3689

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.



41.7157, 0.3404, 0.3801



41.7157, 0.2652, 0.2854



41.7157, 0.3698, 0.3533

Square

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



41.7157, 0.2652, 0.2854



41.7157, 0.3399, 0.3068



41.7157, 0.3618, 0.3722



41.7157, 0.2851, 0.3524

Rectangle

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



41.7157, 0.2652, 0.2854



41.7157, 0.3015, 0.2859



41.7157, 0.3618, 0.3722



41.7157, 0.3219, 0.3772

Sweetspot

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



41.7174, 0.2652, 0.2854



88.5801, 0.2987, 0.3171



54.3990, 0.2888, 0.3711



18.5840, 0.2964, 0.3151



0.0000, 0.0000, 0.0000



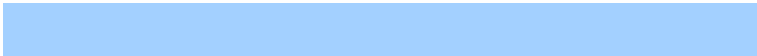
21.4041, 0.3127, 0.3290

Same Dimension

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



41.7174, 0.2652, 0.2854



59.9605, 0.2543, 0.2740



31.2184, 0.2605, 0.2426



12.3486, 0.2982, 0.3167



8.7918, 0.1760, 0.1536



0.6502, 0.1855, 0.1877

Inverse Universe

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



37.0998, 0.3471, 0.2918



52.0615, 0.3575, 0.2833



60.6007, 0.3574, 0.4029



11.9022, 0.3216, 0.3178



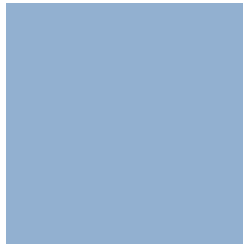
8.9588, 0.5012, 0.2535



0.5169, 0.4594, 0.2305

Previews

White Background



This preview shows how the Yxy color 41.7157, 0.2652, 0.2854 looks on a white background.

Color Contrast Check

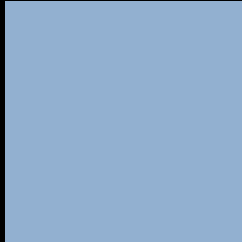
Large Text (above 18pt) WCAG AA × Fail

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 41.7157, 0.2652, 0.2854 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

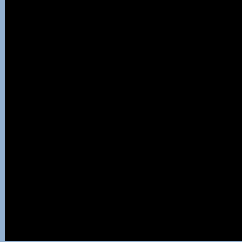
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

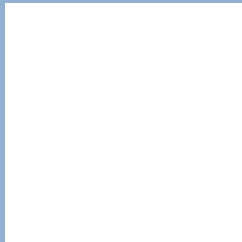
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.7157, 0.2652, 0.2854

Background



This preview shows how black text looks on a background with the Yxy color 41.7157, 0.2652, 0.2854.



This preview shows how white text looks on a background with the Yxy color 41.7157, 0.2652, 0.2854.

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

41.7157, 0.2652, 0.2854

Protanopia

41.6406, 0.2818, 0.2841

Deuteranopia

41.6870, 0.2821, 0.2759



Tritanopia

41.9301, 0.2734, 0.3092

Trichromacy



Original Color

41.7157, 0.2652, 0.2854

Protanomaly

41.7143, 0.2758, 0.2849

Deuteranomaly

41.7899, 0.2759, 0.2801

Tritanomaly

41.8473, 0.2706, 0.3011

Monochromacy



Original Color

41.7157, 0.2652, 0.2854

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

41.0292, 0.2944, 0.3138

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.7157, 0.2652, 0.2854 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(146, 176, 208)` looks like.

```
.text, #text, p{  
    color:rgb(146, 176, 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(146, 176, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 176, 208) }
```

Border

The CSS property to change the border of an element to Yxy 41.7157, 0.2652, 0.2854 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(146, 176, 208) }
```

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

```
.border{ border-color:rgb(146, 176, 208) }
```

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

Here you see how a box with a 4 pixel rgb(146, 176, 208) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 176, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 176, 208);  
box-shadow:4px 4px 4px 4px rgb(146, 176,  
208) }
```


Background

The CSS property to change the background color of an element to Yxy 41.7157, 0.2652, 0.2854 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 176, 208) }
```

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

```
.background{ background-color: rgb(146,  
176, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor