

Converting Colors

$Y_{xy}(41.3736, 0.2504, 0.2895)$

Have a look what the booklet for
Yxy(41.3736, 0.2504, 0.2895)
contains.

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Color

Yxy(41.3342, 0.2502, 0.2894)

Conversions

Conversions Part 1

Format	Color
Hex	7AB4D0
RGB	122, 180, 208
RGB Percent	48%, 71%, 82%
CMY	0.5214, 0.2941, 0.1844
CMYK	0.41, 0.13, 0.00, 0.18
HSL	200°, 48%, 65%
HSV	200°, 41%, 82%
XYZ	35.7354, 41.3342, 65.7577
YIQ	165.8500, -43.5560, -3.5880

Conversions

Conversions Part 2

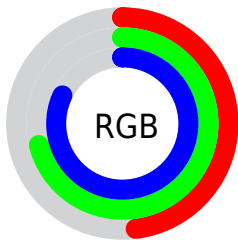
Format	Color
RYB	122, 157, 208
Decimal	8041680
CIELab	70.41, -11.58, -20.07
CIELCh	70, 23.173, 240.019
Yxy	41.3342, 0.2502, 0.2894
Android (android.graphics.Color)	4286231760 (0xFF7AB4D0)
YUV	165.8500, 20.7800, -38.4564
Hunter-Lab	64.2917, -13.2944, -15.6378

Details

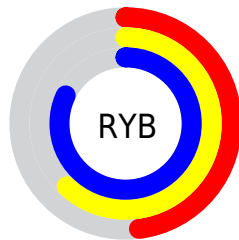
The Yxy color **41.3342, 0.2502, 0.2894** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **36.6373, 0.4026, 0.3648**, and the grayscale version is **37.9757, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.6759, 0.2667, 0.3079**, and **18.7051, 0.2321, 0.2759** is the 20% darker color. If you saturate the color by 10%, you get **37.3076, 0.2366, 0.2779**, and if you desaturate by 10%, it is **45.8226, 0.2648, 0.3003**.

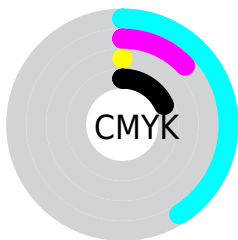
Distribution



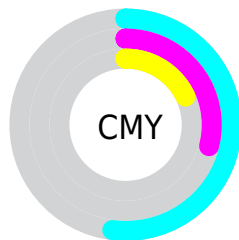
- Red (48%)
- Green (71%)
- Blue (82%)



- Red (48%)
- Yellow (62%)
- Blue (82%)



- Cyan (41%)
- Magenta (13%)
- Yellow (0%)
- Black (18%)



- Cyan (52%)
- Magenta (29%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.3342, 0.2502, 0.2894 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 41.3342, 0.2502, 0.2894 by changing the saturation by 10% instead.

■ 41.3342, 0.2502,
0.2894

■ 41.3342, 0.2502,
0.2894

■ 351.7155, 0.2813,
0.3099

■ 28.5803, 0.2425,
0.2841

■ 77.1910, 0.2614,
0.2970

■ 18.7636, 0.2328,
0.2772

■ 101.0626, 0.2657,
0.2998

■ 11.4996, 0.2200,
0.2679

■ 129.4090, 0.2693,
0.3022

■ 6.4039, 0.2025,
0.2547

■ 162.6145, 0.2724,
0.3042

■ 3.0922, 0.1774,
0.2348

■ 201.0635, 0.2751,
0.3059

■ 1.1801, 0.1392,
0.2022

■ 245.1404, 0.2774,

■ 0.0453, 0.0000,

0.3074

0.0286

295.2296, 0.2795,
0.3087

0.0000, 0.0000,
0.0000

41.3342, 0.2502,
0.2894

41.3342, 0.2502,
0.2894

37.3076, 0.2366,
0.2779

45.8226, 0.2648,
0.3003

33.7151, 0.2243,
0.2658

50.7888, 0.2799,
0.3103

30.5332, 0.2137,
0.2534

56.2539, 0.2953,
0.3196

27.7330, 0.2050,
0.2410

62.2361, 0.3107,
0.3280

25.2807, 0.1983,
0.2286

68.7524, 0.3258,
0.3355

■ 23.3828, 0.1939,
0.2180

■ 75.8191, 0.3405,
0.3422

■ 80.9758, 0.3453,
0.3487

■ 84.7631, 0.3441,
0.3553

■ 88.6979, 0.3430,
0.3619

Harmonies

Analogous

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



41.3342, 0.2541, 0.3156



41.3342, 0.2502, 0.2894



41.3342, 0.2618, 0.2754

Triad

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



41.3342, 0.2502, 0.2894



41.3342, 0.3529, 0.3098



41.3342, 0.3364, 0.3891

Complementary

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



41.3342, 0.2502, 0.2894



36.6373, 0.4026, 0.3648

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.



41.3342, 0.3647, 0.3837



41.3342, 0.2502, 0.2894



41.3342, 0.3750, 0.3371

Square

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



41.3342, 0.2502, 0.2894



41.3342, 0.3201, 0.2877



41.3342, 0.3793, 0.3640



41.3342, 0.3027, 0.3761

Rectangle

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



41.3342, 0.2502, 0.2894



41.3342, 0.2773, 0.2738



41.3342, 0.3793, 0.3640



41.3342, 0.3469, 0.3893

Sweetspot

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



41.3358, 0.2502, 0.2894



88.4571, 0.2941, 0.3189



51.4228, 0.2905, 0.4146



18.6803, 0.2920, 0.3177



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.



41.3358, 0.2502, 0.2894



59.6000, 0.2375, 0.2787



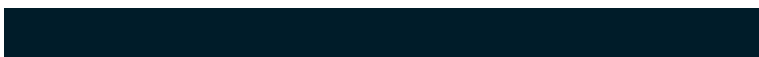
26.8148, 0.2400, 0.2260



12.7310, 0.2983, 0.3213



14.7585, 0.1944, 0.2197



0.9663, 0.2006, 0.2421

Inverse Universe

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



30.6335, 0.3470, 0.2579



41.3966, 0.3578, 0.2429



52.6134, 0.3811, 0.4141



11.9408, 0.3187, 0.3134



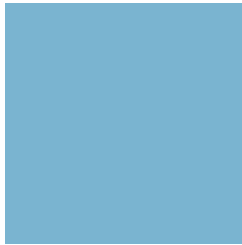
9.5611, 0.4235, 0.2107



0.5488, 0.4001, 0.1978

Previews

White Background



This preview shows how the Yxy color 41.3342, 0.2502, 0.2894 looks on a white background.

Color Contrast Check

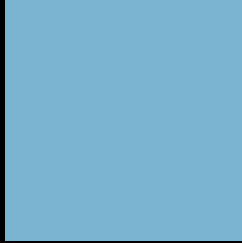
Large Text (above 18pt) WCAG AA × Fail

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 41.3342, 0.2502, 0.2894 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 41.3342, 0.2502, 0.2894

Background



This preview shows how black text looks on a background with the Yxy color 41.3342, 0.2502, 0.2894.



This preview shows how white text looks on a background with the Yxy color 41.3342, 0.2502, 0.2894.

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

41.3342, 0.2502, 0.2894

Protanopia

40.9658, 0.2839, 0.2876

Deuteranopia

41.0332, 0.2789, 0.2730



Tritanopia

41.4091, 0.2552, 0.3071

Trichromacy



Original Color

41.3342, 0.2502, 0.2894

Protanomaly

41.0213, 0.2697, 0.2879

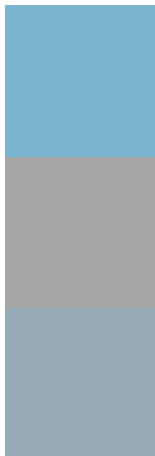
Deuteranomaly

40.7375, 0.2669, 0.2778

Tritanomaly

41.2579, 0.2533, 0.3002

Monochromacy



Original Color

41.3342, 0.2502, 0.2894

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

38.9460, 0.2866, 0.3146

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.3342, 0.2502, 0.2894 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(122, 180, 208)` looks like.

```
.text, #text, p{  
    color:rgb(122, 180, 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(122, 180, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 180, 208) }
```

Border

The CSS property to change the border of an element to Yxy 41.3342, 0.2502, 0.2894 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(122, 180, 208) }
```

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

```
.border{ border-color:rgb(122, 180, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 180, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 180, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 180, 208);  
box-shadow:4px 4px 4px 4px rgb(122, 180,  
208) }
```


Background

The CSS property to change the background color of an element to Yxy 41.3342, 0.2502, 0.2894 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 180, 208) }
```

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

```
.background{ background-color: rgb(122,  
180, 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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