

Converting Colors

$Y_{xy}(41.7990, 0.2721, 0.2934)$

Have a look what the booklet for
Yxy(41.7990, 0.2721, 0.2934)
contains.

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Color

Yxy(41.7990, 0.2721, 0.2934)

Conversions

Conversions Part 1

Format	Color
Hex	96B0CA
RGB	150, 176, 202
RGB Percent	59%, 69%, 79%
CMY	0.4117, 0.3098, 0.2078
CMYK	0.26, 0.13, 0.00, 0.21
HSL	210°, 33%, 69%
HSV	210°, 26%, 79%
XYZ	38.7645, 41.7990, 61.9007
YIQ	171.1900, -23.8420, 2.5740

Conversions

Conversions Part 2

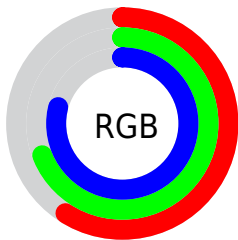
Format	Color
R _Y B	150, 167, 202
Decimal	9875658
CIE Lab	70.73, -3.05, -16.14
CIE LCh	71, 16.429, 259.304
Yxy	41.7990, 0.2721, 0.2934
Android (android.graphics.Color)	4288065738 (0xFF96B0CA)
YUV	171.1900, 15.1893, -18.5836
Hunter-Lab	64.6521, -6.1152, -11.5103

Details

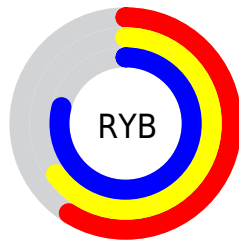
The Yxy color **41.7990, 0.2721, 0.2934** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **45.8121, 0.3588, 0.3621**, and the grayscale version is **40.7579, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.9124, 0.2817, 0.3045**, and **19.1501, 0.2605, 0.2836** is the 20% darker color. If you saturate the color by 10%, you get **36.2316, 0.2558, 0.2770**, and if you desaturate by 10%, it is **47.9949, 0.2883, 0.3084**.

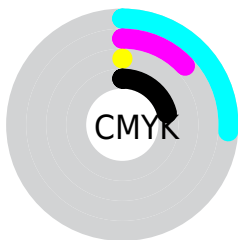
Distribution



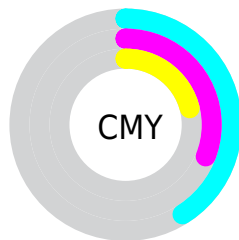
- Red (59%)
- Green (69%)
- Blue (79%)



- Red (59%)
- Yellow (65%)
- Blue (79%)



- Cyan (26%)
- Magenta (13%)
- Yellow (0%)
- Black (21%)



- Cyan (41%)
- Magenta (31%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.7990, 0.2721, 0.2934 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 41.7990, 0.2721, 0.2934 by changing the saturation by 10% instead.

■ 41.7990, 0.2721,
0.2934

■ 41.7990, 0.2721,
0.2934

353.6490, 0.2925,
0.3115

■ 28.9439, 0.2670,
0.2888

■ 77.8953, 0.2795,
0.3000

■ 19.0384, 0.2604,
0.2829

■ 101.9054, 0.2823,
0.3025

■ 11.6980, 0.2517,
0.2749

130.4026, 0.2847,
0.3046

■ 6.5384, 0.2395,
0.2638

163.7712, 0.2867,
0.3064

■ 3.1751, 0.2215,
0.2470

202.3958, 0.2885,
0.3079

■ 1.2238, 0.1924,
0.2194

246.6607, 0.2900,

■ 0.0811, 0.0020,

0.3093

0.0613

296.9503, 0.2913,
0.3104

0.0000, 0.0000,
0.0000

41.7990, 0.2721,
0.2934

41.7990, 0.2721,
0.2934

36.2316, 0.2558,
0.2770

47.9949, 0.2883,
0.3084

31.2642, 0.2397,
0.2593

54.8361, 0.3040,
0.3219

26.8736, 0.2243,
0.2407

62.3450, 0.3190,
0.3340

23.0326, 0.2102,
0.2213

70.5413, 0.3333,
0.3447

19.7110, 0.1978,
0.2018

79.4438, 0.3467,
0.3541

■ 16.8748, 0.1876,
0.1826

■ 85.8655, 0.3477,
0.3637

■ 14.4833, 0.1798,
0.1643

■ 91.8674, 0.3457,
0.3733

■ 13.5697, 0.1769,
0.1567

■ 97.0442, 0.3442,
0.3810

Harmonies

Analogous

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



41.7990, 0.2676, 0.3072



41.7990, 0.2721, 0.2934



41.7990, 0.2872, 0.2893

Triad

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



41.7990, 0.2721, 0.2934



41.7990, 0.3522, 0.3281



41.7990, 0.3145, 0.3663

Complementary

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



41.7990, 0.2721, 0.2934



45.8121, 0.3588, 0.3621

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.



41.7990, 0.3377, 0.3712



41.7990, 0.2721, 0.2934



41.7990, 0.3601, 0.3480

Square

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



41.7990, 0.2721, 0.2934



41.7990, 0.3335, 0.3090



41.7990, 0.3546, 0.3641



41.7990, 0.2915, 0.3501

Rectangle

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



41.7990, 0.2721, 0.2934



41.7990, 0.3015, 0.2922



41.7990, 0.3546, 0.3641



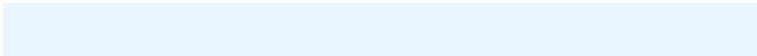
41.7990, 0.3226, 0.3694

Sweetspot

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



41.8007, 0.2721, 0.2934



89.9975, 0.3003, 0.3188



51.8603, 0.2919, 0.3645



18.8783, 0.2979, 0.3168



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.



41.8007, 0.2721, 0.2934



65.2856, 0.2628, 0.2842



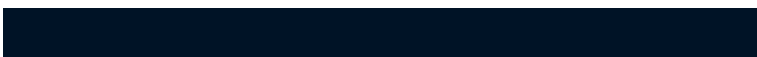
32.5651, 0.2687, 0.2563



11.7552, 0.2983, 0.3171



8.9102, 0.1775, 0.1591



0.6115, 0.1874, 0.1946

Inverse Universe

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



37.5070, 0.3403, 0.2961



57.2216, 0.3483, 0.2885



56.9993, 0.3512, 0.3927



11.3057, 0.3213, 0.3175



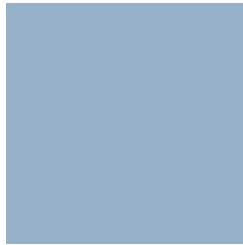
8.7025, 0.4942, 0.2496



0.4643, 0.4514, 0.2261

Previews

White Background



This preview shows how the Yxy color 41.7990, 0.2721, 0.2934 looks on a white background.

Color Contrast Check

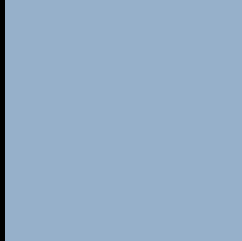
Large Text (above 18pt) WCAG AA × Fail

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 41.7990, 0.2721, 0.2934 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

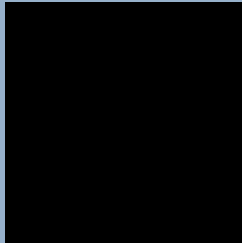
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

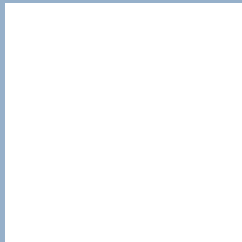
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.7990, 0.2721, 0.2934

Background



This preview shows how black text looks on a background with the Yxy color 41.7990, 0.2721, 0.2934.



This preview shows how white text looks on a background with the Yxy color 41.7990, 0.2721, 0.2934.

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

41.7990, 0.2721, 0.2934

Protanopia

41.5742, 0.2879, 0.2918

Deuteranopia

41.8495, 0.2898, 0.2836



Tritanopia

41.9425, 0.2777, 0.3094

Trichromacy



Original Color

41.7990, 0.2721, 0.2934

Protanomaly

41.6343, 0.2816, 0.2926

Deuteranomaly

41.9238, 0.2834, 0.2879

Tritanomaly

41.8194, 0.2756, 0.3026

Monochromacy



Original Color

41.7990, 0.2721, 0.2934

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

41.0511, 0.2968, 0.3165

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.7990, 0.2721, 0.2934 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(150, 176, 202)` looks like.

```
.text, #text, p{  
    color:rgb(150, 176, 202)  
}
```

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(150, 176, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 176, 202) }
```

Border

The CSS property to change the border of an element to Yxy 41.7990, 0.2721, 0.2934 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(150, 176, 202) }
```

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

```
.border{ border-color:rgb(150, 176, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 176, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 176, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 176, 202);  
box-shadow:4px 4px 4px 4px rgb(150, 176,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 41.7990, 0.2721, 0.2934 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 176, 202) }
```

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

```
.background{ background-color: rgb(150,  
176, 202) }
```

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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