

Converting Colors

$Y_{xy}(41.3472, 0.2180, 0.2705)$

Have a look what the booklet for
Yxy(41.3472, 0.2180, 0.2705)
contains.

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Color

Yxy(41.3472, 0.2180, 0.2705)

Conversions

Conversions Part 1

Format	Color
Hex	42B9E2
RGB	66, 185, 226
RGB Percent	26%, 73%, 89%
CMY	0.7413, 0.2745, 0.1137
CMYK	0.71, 0.18, 0.00, 0.11
HSL	195°, 73%, 57%
HSV	195°, 71%, 89%
XYZ	33.3223, 41.3472, 78.1852
YIQ	154.0930, -84.0850, -12.4770

Conversions

Conversions Part 2

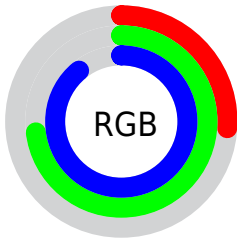
Format	Color
R _Y B	66, 134, 226
Decimal	4372962
CIE Lab	70.42, -19.93, -30.10
CIE LCh	70, 36.099, 236.487
Yxy	41.3472, 0.2180, 0.2705
Android (android.graphics.Color)	4282563042 (0xFF42B9E2)
YUV	154.0930, 35.4502, -77.2576
Hunter-Lab	64.3018, -20.0263, -27.0801

Details

The Yxy color **41.3472, 0.2180, 0.2705** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted azure. A complement of this color would be **27.0739, 0.5146, 0.3705**, and the grayscale version is **32.2238, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.1171, 0.2463, 0.3126**, and **19.4428, 0.2039, 0.2541** is the 20% darker color. If you saturate the color by 10%, you get **38.3391, 0.2103, 0.2609**, and if you desaturate by 10%, it is **44.7668, 0.2277, 0.2801**.

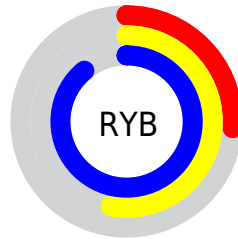
Distribution



Red (26%)

Green (73%)

Blue (89%)



Red (26%)

Yellow (53%)

Blue (89%)

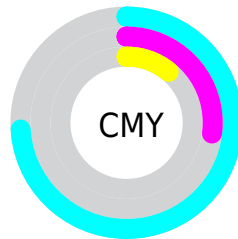


Cyan (71%)

Magenta (18%)

Yellow (0%)

Black (11%)



Cyan (74%)


Magenta (27%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.3472, 0.2180, 0.2705 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 41.3472, 0.2180, 0.2705 by changing the saturation by 10% instead.


 41.3472, 0.2180,
0.2705


 41.3472, 0.2180,
0.2705


351.7696, 0.2641,
0.3010


 28.5905, 0.2070,
0.2627


 77.2107, 0.2344,
0.2817


 18.7712, 0.1934,
0.2526


 101.0862, 0.2407,
0.2859

 11.5051, 0.1759,
0.2392


 129.4368, 0.2460,
0.2894

 6.4077, 0.1531,
0.2207

 162.6469, 0.2506,
0.2924

 3.0945, 0.1226,
0.1939

201.1008, 0.2547,
0.2950

 1.1813, 0.0794,
0.1538

245.1830, 0.2582,

 0.0463, 0.0000,

0.2972

0.0168

295.2778, 0.2613,
0.2992

■ 0.0000, 0.0000,
0.0000

■ 41.3472, 0.2180,
0.2705

■ 41.3472, 0.2180,
0.2705

■ 38.3391, 0.2103,
0.2609

■ 44.7668, 0.2277,
0.2801

■ 35.6980, 0.2045,
0.2513

■ 48.6273, 0.2391,
0.2894

■ 33.5349, 0.2007,
0.2426

■ 52.9598, 0.2520,
0.2983

■ 57.7910, 0.2660,
0.3068

■ 63.1451, 0.2808,
0.3147

■ 69.0449, 0.2961,
0.3219

■ 75.5112, 0.3115,
0.3285

■ 82.5640, 0.3268,
0.3344

■ 87.3924, 0.3318,
0.3400

Harmonies

Analogous

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



41.3472, 0.2259, 0.3120



41.3472, 0.2180, 0.2705



41.3472, 0.2323, 0.2488

Triad

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



41.3472, 0.2180, 0.2705



41.3472, 0.3697, 0.2948



41.3472, 0.3534, 0.4245

Complementary

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



41.3472, 0.2180, 0.2705



27.0739, 0.5146, 0.3705

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.



41.3472, 0.3962, 0.4095



41.3472, 0.2180, 0.2705



41.3472, 0.4076, 0.3342

Square

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



41.3472, 0.2180, 0.2705



41.3472, 0.3169, 0.2641



41.3472, 0.4171, 0.3753



41.3472, 0.3018, 0.4088

Rectangle

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



41.3472, 0.2180, 0.2705



41.3472, 0.2534, 0.2458



41.3472, 0.4171, 0.3753



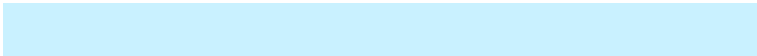
41.3472, 0.3694, 0.4225

Sweetspot

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



41.3487, 0.2180, 0.2705



82.7758, 0.2803, 0.3144



56.5974, 0.2874, 0.5076



17.2849, 0.2761, 0.3123



0.0000, 0.0000, 0.0000



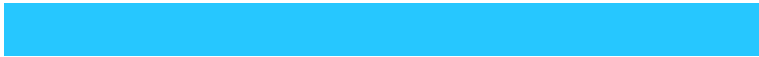
21.4041, 0.3127, 0.3290

Same Dimension

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



41.3487, 0.2180, 0.2705



48.6968, 0.2073, 0.2563



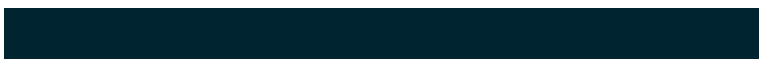
16.9521, 0.1883, 0.1511



14.9466, 0.2982, 0.3229



19.3294, 0.2011, 0.2441



1.4811, 0.2052, 0.2587

Inverse Universe

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



23.5663, 0.3695, 0.2070



26.8073, 0.3850, 0.1973



51.6824, 0.4375, 0.4530



13.8725, 0.3177, 0.3117



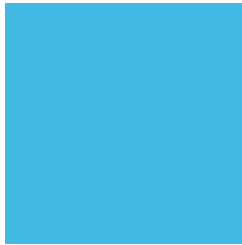
10.8594, 0.3982, 0.1967



0.7670, 0.3837, 0.1887

Previews

White Background



This preview shows how the Yxy color 41.3472, 0.2180, 0.2705 looks on a white background.

Color Contrast Check

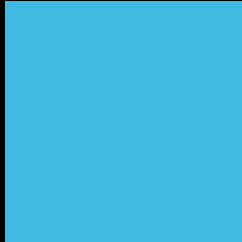
Large Text (above 18pt) WCAG AA × Fail

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 41.3472, 0.2180, 0.2705 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 41.3472, 0.2180, 0.2705

Background



This preview shows how black text looks on a background with the Yxy color 41.3472, 0.2180, 0.2705.

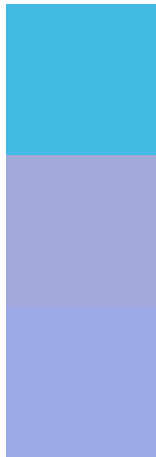


This preview shows how white text looks on a background with the Yxy color 41.3472, 0.2180, 0.2705.

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

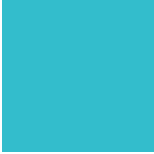
41.3472, 0.2180, 0.2705

Protanopia

40.7558, 0.2699, 0.2687

Deuteranopia

41.0577, 0.2566, 0.2509



Tritanopia

41.4586, 0.2249, 0.3061

Trichromacy



Original Color

41.3472, 0.2180, 0.2705

Protanomaly

40.2100, 0.2452, 0.2685

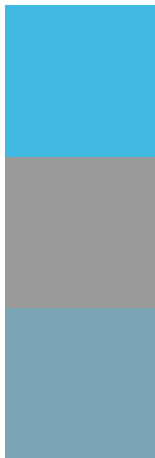
Deuteranomaly

40.5280, 0.2380, 0.2563

Tritanomaly

41.5607, 0.2223, 0.2933

Monochromacy



Original Color

41.3472, 0.2180, 0.2705

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

34.3431, 0.2646, 0.3058

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.3472, 0.2180, 0.2705 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(66, 185, 226)` looks like.

```
.text, #text, p{  
    color:rgb(66, 185, 226)  
}
```

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(66, 185, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 185, 226) }
```

Border

The CSS property to change the border of an element to Yxy 41.3472, 0.2180, 0.2705 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(66, 185, 226) }
```

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

```
.border{ border-color:rgb(66, 185, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 185, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 185, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 185, 226);  
box-shadow:4px 4px 4px 4px rgb(66, 185,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 41.3472, 0.2180, 0.2705 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 185, 226) }
```

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

```
.background{ background-color: rgb(66, 185,  
226) }
```

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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