

Converting Colors

$Y_{xy}(41.4159, 0.2196, 0.2770)$

Have a look what the booklet for
Yxy(41.4159, 0.2196, 0.2770)
contains.

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Color

Yxy(41.5156, 0.2197, 0.2771)

Conversions

Conversions Part 1

Format	Color
Hex	41BADE
RGB	65, 186, 222
RGB Percent	25%, 73%, 87%
CMY	0.7457, 0.2705, 0.1294
CMYK	0.71, 0.16, 0.00, 0.13
HSL	194°, 70%, 56%
HSV	194°, 71%, 87%
XYZ	32.9158, 41.5156, 75.3903
YIQ	153.9250, -83.6720, -14.4560

Conversions

Conversions Part 2

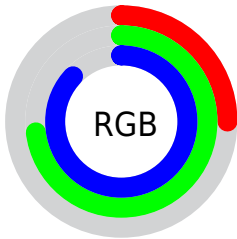
Format	Color
RYB	65, 133, 222
Decimal	4307678
CIELab	70.54, -21.88, -27.74
CIELCh	71, 35.325, 231.737
Yxy	41.5156, 0.2197, 0.2771
Android (android.graphics.Color)	4282497758 (0xFF41BADE)
YUV	153.9250, 33.5610, -77.9872
Hunter-Lab	64.4326, -21.5691, -24.2703

Details

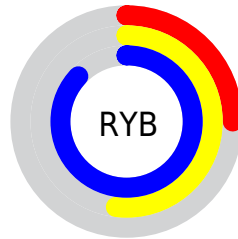
The Yxy color **41.5156, 0.2197, 0.2771** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted azure. A complement of this color would be **25.1844, 0.5187, 0.3658**, and the grayscale version is **32.1396, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.6298, 0.2461, 0.3138**, and **19.5651, 0.2063, 0.2628** is the 20% darker color. If you saturate the color by 10%, you get **38.8002, 0.2124, 0.2686**, and if you desaturate by 10%, it is **44.6075, 0.2290, 0.2855**.

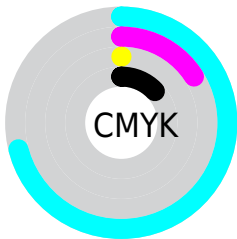
Distribution



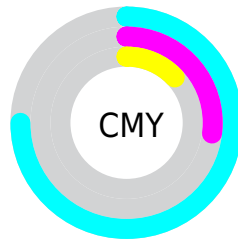
- Red (25%)
- Green (73%)
- Blue (87%)



- Red (25%)
- Yellow (52%)
- Blue (87%)



- Cyan (71%)
- Magenta (16%)
- Yellow (0%)
- Black (13%)





- Cyan (75%)
- Magenta (27%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.5156, 0.2197, 0.2771 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 41.5156, 0.2197, 0.2771 by changing the saturation by 10% instead.


 41.5156, 0.2197,
0.2771

 41.5156, 0.2197,
0.2771


352.4710, 0.2651,
0.3044


 28.7222, 0.2089,
0.2700


 77.4660, 0.2358,
0.2872


 18.8708, 0.1954,
0.2608


 101.3917, 0.2420,
0.2910

 11.5769, 0.1781,
0.2485


 129.7970, 0.2473,
0.2941

 6.4563, 0.1554,
0.2312

 163.0663, 0.2518,
0.2968

 3.1245, 0.1249,
0.2058

201.5840, 0.2558,
0.2991

 1.1971, 0.0801,
0.1669

245.7344, 0.2592,

 0.0593, 0.0000,

0.3011

0.0239

295.9019, 0.2623,
0.3028

■ 0.0000, 0.0000,
0.0000

■ 41.5156, 0.2197,
0.2771

■ 41.5156, 0.2197,
0.2771

■ 38.8002, 0.2124,
0.2686

■ 44.6075, 0.2290,
0.2855

■ 36.4188, 0.2070,
0.2601

■ 48.1034, 0.2400,
0.2938

■ 34.4641, 0.2035,
0.2524

■ 52.0328, 0.2526,
0.3017

■ 56.4210, 0.2664,
0.3092

■ 61.2908, 0.2810,
0.3162

66.6637, 0.2961,
0.3227

72.5595, 0.3115,
0.3286

78.9968, 0.3268,
0.3339

84.1186, 0.3352,
0.3388

Harmonies

Analogous

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



41.5156, 0.2309, 0.3203



41.5156, 0.2197, 0.2771



41.5156, 0.2304, 0.2525

Triad

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



41.5156, 0.2197, 0.2771



41.5156, 0.3607, 0.2901



41.5156, 0.3602, 0.4218

Complementary

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



41.5156, 0.2197, 0.2771



25.1844, 0.5187, 0.3658

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.



41.5156, 0.3993, 0.4035



41.5156, 0.2197, 0.2771



41.5156, 0.4012, 0.3278

Square

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



41.5156, 0.2197, 0.2771



41.5156, 0.3085, 0.2618



41.5156, 0.4153, 0.3683



41.5156, 0.3101, 0.4114

Rectangle

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



41.5156, 0.2197, 0.2771



41.5156, 0.2490, 0.2474



41.5156, 0.4153, 0.3683



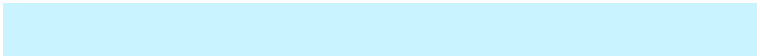
41.5156, 0.3751, 0.4184

Sweetspot

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



41.5171, 0.2197, 0.2771



83.6440, 0.2804, 0.3160



54.2636, 0.2896, 0.5146



17.4932, 0.2763, 0.3141



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.



41.5171, 0.2197, 0.2771



51.4745, 0.2095, 0.2645



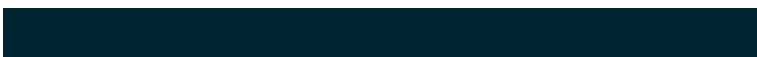
17.4084, 0.1903, 0.1588



15.0122, 0.2982, 0.3235



20.6448, 0.2038, 0.2536



1.5625, 0.2074, 0.2666

Inverse Universe

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



22.8384, 0.3635, 0.2031



27.0877, 0.3772, 0.1928



47.5430, 0.4419, 0.4480



13.8791, 0.3173, 0.3111



10.9922, 0.3886, 0.1914



0.7752, 0.3761, 0.1845

Previews

White Background



This preview shows how the Yxy color 41.5156, 0.2197, 0.2771 looks on a white background.

Color Contrast Check

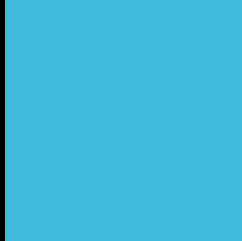
Large Text (above 18pt) WCAG AA × Fail

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 41.5156, 0.2197, 0.2771 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

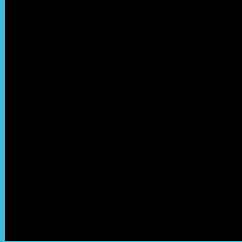
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.5156, 0.2197, 0.2771

Background



This preview shows how black text looks on a background with the Yxy color 41.5156, 0.2197, 0.2771.



This preview shows how white text looks on a background with the Yxy color 41.5156, 0.2197, 0.2771.

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

41.5156, 0.2197, 0.2771

Protanopia

41.0840, 0.2750, 0.2762

Deuteranopia

41.1360, 0.2612, 0.2558



Tritanopia

41.5117, 0.2254, 0.3061

Trichromacy



Original Color

41.5156, 0.2197, 0.2771



Protanomaly

40.4177, 0.2489, 0.2762



Deuteranomaly

40.3813, 0.2407, 0.2611



Tritanomaly

41.5394, 0.2230, 0.2947

Monochromacy



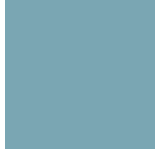
Original Color

41.5156, 0.2197, 0.2771



Achromatopsia

32.3143, 0.3127, 0.3290



Achromatomaly

34.6647, 0.2655, 0.3089

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.5156, 0.2197, 0.2771 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(65, 186, 222)` looks like.

```
.text, #text, p{  
    color:rgb(65, 186, 222)  
}
```

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(65, 186, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 186, 222) }
```

Border

The CSS property to change the border of an element to Yxy 41.5156, 0.2197, 0.2771 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(65, 186, 222) }
```

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

```
.border{ border-color:rgb(65, 186, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 186, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 186, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 186, 222);  
box-shadow:4px 4px 4px 4px rgb(65, 186,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 41.5156, 0.2197, 0.2771 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 186, 222) }
```

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

```
.background{ background-color: rgb(65, 186,  
222) }
```

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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