

Converting Colors

$Yxy(41.7199, 0.2190, 0.2705)$

Have a look what the booklet for
Yxy(41.7199, 0.2190, 0.2705)
contains.

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Color

Yxy(41.5461, 0.2188, 0.2694)

Conversions

Conversions Part 1

Format	Color
Hex	46B9E3
RGB	70, 185, 227
RGB Percent	27%, 73%, 89%
CMY	0.7254, 0.2745, 0.1097
CMYK	0.69, 0.19, 0.00, 0.11
HSL	196°, 74%, 58%
HSV	196°, 69%, 89%
XYZ	33.7427, 41.5461, 78.9283
YIQ	155.4030, -82.0220, -11.3180

Conversions

Conversions Part 2

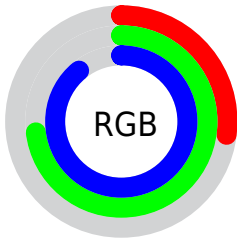
Format	Color
RYB	70, 136, 227
Decimal	4635107
CIELab	70.56, -19.05, -30.43
CIELCh	71, 35.898, 237.947
Yxy	41.5461, 0.2188, 0.2694
Android (android.graphics.Color)	4282825187 (0xFF46B9E3)
YUV	155.4030, 35.2973, -74.8984
Hunter-Lab	64.4563, -19.3541, -27.4827

Details

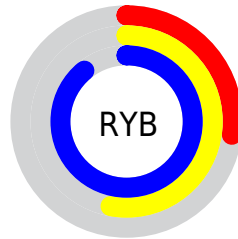
The Yxy color **41.5461, 0.2188, 0.2694** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted azure. A complement of this color would be **28.3747, 0.5064, 0.3723**, and the grayscale version is **32.8374, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.3648, 0.2475, 0.3127**, and **19.4428, 0.2039, 0.2541** is the 20% darker color. If you saturate the color by 10%, you get **38.3683, 0.2106, 0.2593**, and if you desaturate by 10%, it is **45.1544, 0.2290, 0.2794**.

Distribution



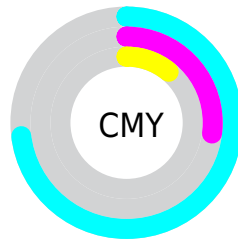
- Red (27%)
- Green (73%)
- Blue (89%)



- Red (27%)
- Yellow (53%)
- Blue (89%)



- Cyan (69%)
- Magenta (19%)
- Yellow (0%)
- Black (11%)



- Cyan (73%)
- Magenta (27%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.5461, 0.2188, 0.2694 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 41.5461, 0.2188, 0.2694 by changing the saturation by 10% instead.

■ 41.5461, 0.2188,
0.2694

■ 41.5461, 0.2188,
0.2694

■ 352.5979, 0.2645,
0.3003

■ 28.7460, 0.2080,
0.2615

■ 77.5122, 0.2350,
0.2808

■ 18.8888, 0.1944,
0.2514

■ 101.4470, 0.2412,
0.2850

■ 11.5899, 0.1771,
0.2379

■ 129.8623, 0.2466,
0.2886

■ 6.4651, 0.1545,
0.2193

■ 163.1422, 0.2511,
0.2916

■ 3.1299, 0.1243,
0.1925

■ 201.6714, 0.2551,
0.2943

■ 1.1999, 0.0820,
0.1525

■ 245.8341, 0.2586,

■ 0.0616, 0.0000,

0.2965

0.0216

296.0148, 0.2618,
0.2985

0.0000, 0.0000,
0.0000

41.5461, 0.2188,
0.2694

41.5461, 0.2188,
0.2694

38.3683, 0.2106,
0.2593

45.1544, 0.2290,
0.2794

35.5772, 0.2043,
0.2492

49.2224, 0.2408,
0.2891

33.1127, 0.1999,
0.2392

53.7811, 0.2540,
0.2984

32.9133, 0.1996,
0.2384

58.8571, 0.2683,
0.3072

64.4749, 0.2833,
0.3153

70.6572, 0.2986,
0.3228

77.4253, 0.3140,
0.3295

84.7990, 0.3293,
0.3356

88.9429, 0.3309,
0.3415

Harmonies

Analogous

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



41.5461, 0.2255, 0.3098



41.5461, 0.2188, 0.2694



41.5461, 0.2341, 0.2488

Triad

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



41.5461, 0.2188, 0.2694



41.5461, 0.3716, 0.2968



41.5461, 0.3508, 0.4238

Complementary

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



41.5461, 0.2188, 0.2694



28.3747, 0.5064, 0.3723

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.



41.5461, 0.3940, 0.4102



41.5461, 0.2188, 0.2694



41.5461, 0.4081, 0.3362

Square

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



41.5461, 0.2188, 0.2694



41.5461, 0.3195, 0.2657



41.5461, 0.4160, 0.3769



41.5461, 0.2994, 0.4066

Rectangle

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



41.5461, 0.2188, 0.2694



41.5461, 0.2557, 0.2464



41.5461, 0.4160, 0.3769



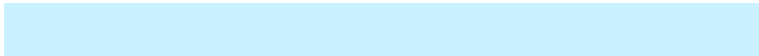
41.5461, 0.3668, 0.4223

Sweetspot

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



41.5476, 0.2188, 0.2694



82.4136, 0.2803, 0.3138



57.4200, 0.2863, 0.4994



17.1980, 0.2761, 0.3115



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.



41.5476, 0.2188, 0.2694



48.2897, 0.2076, 0.2549



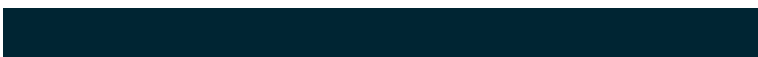
17.2936, 0.1900, 0.1520



15.6495, 0.2981, 0.3226



19.3928, 0.2000, 0.2399



1.5840, 0.2040, 0.2545

Inverse Universe

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



24.2200, 0.3701, 0.2103



27.1067, 0.3862, 0.1999



53.7719, 0.4327, 0.4536



14.5459, 0.3179, 0.3119



11.1554, 0.4024, 0.1990



0.8396, 0.3878, 0.1910

Previews

White Background



This preview shows how the Yxy color 41.5461, 0.2188, 0.2694 looks on a white background.

Color Contrast Check

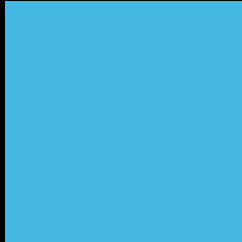
Large Text (above 18pt) WCAG AA × Fail

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 41.5461, 0.2188, 0.2694 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

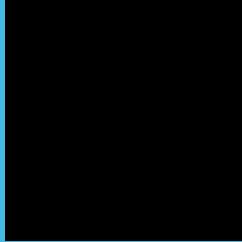
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.5461, 0.2188, 0.2694

Background



This preview shows how black text looks on a background with the Yxy color 41.5461, 0.2188, 0.2694.



This preview shows how white text looks on a background with the Yxy color 41.5461, 0.2188, 0.2694.

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

41.5461, 0.2188, 0.2694

Protanopia

41.1809, 0.2694, 0.2688

Deuteranopia

41.1140, 0.2560, 0.2498



Tritanopia

41.5671, 0.2259, 0.3062

Trichromacy



Original Color

41.5461, 0.2188, 0.2694



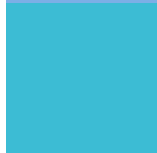
Protanomaly

40.3393, 0.2452, 0.2673



Deuteranomaly

40.6582, 0.2381, 0.2552



Tritanomaly

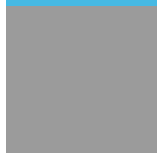
41.6806, 0.2233, 0.2934

Monochromacy



Original Color

41.5461, 0.2188, 0.2694



Achromatopsia

32.7778, 0.3127, 0.3290



Achromatomaly

34.8937, 0.2656, 0.3060

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.5461, 0.2188, 0.2694 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(70, 185, 227)` looks like.

```
.text, #text, p{  
    color:rgb(70, 185, 227)  
}
```

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(70, 185, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 185, 227) }
```

Border

The CSS property to change the border of an element to Yxy 41.5461, 0.2188, 0.2694 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(70, 185, 227) }
```

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

```
.border{ border-color:rgb(70, 185, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 185, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 185, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 185, 227);  
box-shadow:4px 4px 4px 4px rgb(70, 185,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 41.5461, 0.2188, 0.2694 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 185, 227) }
```

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

```
.background{ background-color: rgb(70, 185,  
227) }
```

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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