

Converting Colors

$Y_{xy}(41.9591, 0.2313, 0.2853)$

Have a look what the booklet for
Yxy(41.9591, 0.2313, 0.2853)
contains.

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Color

Yxy(41.8295, 0.2310, 0.2845)

Conversions

Conversions Part 1

Format	Color
Hex	5AB9D8
RGB	90, 185, 216
RGB Percent	35%, 73%, 85%
CMY	0.6467, 0.2745, 0.1530
CMYK	0.58, 0.14, 0.00, 0.15
HSL	195°, 62%, 60%
HSV	195°, 58%, 85%
XYZ	33.9635, 41.8295, 71.2351
YIQ	160.1290, -66.5710, -10.4990

Conversions

Conversions Part 2

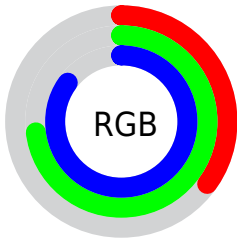
Format	Color
R _Y B	90, 144, 216
Decimal	5945816
CIE Lab	70.75, -19.13, -24.05
CIE LCh	71, 30.728, 231.503
Yxy	41.8295, 0.2310, 0.2845
Android (android.graphics.Color)	4284135896 (0xFF5AB9D8)
YUV	160.1290, 27.5444, -61.5031
Hunter-Lab	64.6757, -19.4459, -20.0302

Details

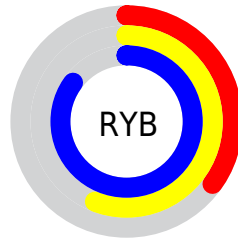
The Yxy color **41.8295, 0.2310, 0.2845** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted azure. A complement of this color would be **29.0266, 0.4662, 0.3657**, and the grayscale version is **35.1197, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.6146, 0.2536, 0.3129**, and **19.1080, 0.2092, 0.2711** is the 20% darker color. If you saturate the color by 10%, you get **38.7171, 0.2210, 0.2754**, and if you desaturate by 10%, it is **45.3428, 0.2427, 0.2933**.

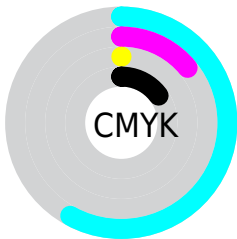
Distribution



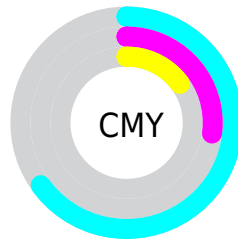
- Red (35%)
- Green (73%)
- Blue (85%)



- Red (35%)
- Yellow (56%)
- Blue (85%)



- Cyan (58%)
- Magenta (14%)
- Yellow (0%)
- Black (15%)



- Cyan (65%)
- Magenta (27%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.8295, 0.2310, 0.2845 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 41.8295, 0.2310, 0.2845 by changing the saturation by 10% instead.

41.8295, 0.2310,
0.2845

41.8295, 0.2310,
0.2845

353.7757, 0.2711,
0.3079

28.9678, 0.2213,
0.2784

77.9415, 0.2454,
0.2932

19.0565, 0.2091,
0.2705

101.9606, 0.2508,
0.2964

11.7111, 0.1934,
0.2598

130.4677, 0.2555,
0.2991

6.5473, 0.1724,
0.2446

163.8470, 0.2595,
0.3014

3.1806, 0.1434,
0.2220

202.4831, 0.2629,
0.3033

1.2267, 0.1008,
0.1860

246.7603, 0.2660,

0.0834, 0.0000,

0.3051

0.0397

297.0630, 0.2687,
0.3065

0.0000, 0.0000,
0.0000

41.8295, 0.2310,
0.2845

41.8295, 0.2310,
0.2845

38.7171, 0.2210,
0.2754

45.3428, 0.2427,
0.2933

35.9720, 0.2129,
0.2662

49.2780, 0.2557,
0.3018

33.5618, 0.2068,
0.2570

53.6597, 0.2699,
0.3097

31.4367, 0.2025,
0.2480

58.5093, 0.2847,
0.3171

31.0895, 0.2018,
0.2464

63.8464, 0.3000,
0.3239

■ 69.6895, 0.3153,
0.3300

■ 76.0560, 0.3306,
0.3355

■ 81.4394, 0.3398,
0.3406

■ 84.4010, 0.3390,
0.3459

Harmonies

Analogous

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



41.8295, 0.2413, 0.3223



41.8295, 0.2310, 0.2845



41.8295, 0.2403, 0.2623

Triad

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



41.8295, 0.2310, 0.2845



41.8295, 0.3542, 0.2948



41.8295, 0.3549, 0.4093

Complementary

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



41.8295, 0.2310, 0.2845



29.0266, 0.4662, 0.3657

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.



41.8295, 0.3886, 0.3943



41.8295, 0.2310, 0.2845



41.8295, 0.3892, 0.3282

Square

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



41.8295, 0.2310, 0.2845



41.8295, 0.3090, 0.2697



41.8295, 0.4018, 0.3640



41.8295, 0.3113, 0.3999

Rectangle

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



41.8295, 0.2310, 0.2845



41.8295, 0.2568, 0.2574



41.8295, 0.4018, 0.3640



41.8295, 0.3678, 0.4066

Sweetspot

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



41.8310, 0.2310, 0.2845



86.0661, 0.2864, 0.3179



52.6222, 0.2900, 0.4749



18.0995, 0.2834, 0.3164



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.



41.8310, 0.2310, 0.2845



55.4006, 0.2189, 0.2733



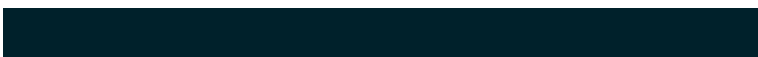
21.4639, 0.2103, 0.1898



13.5660, 0.2982, 0.3231



18.5832, 0.2022, 0.2478



1.2471, 0.2065, 0.2635

Inverse Universe

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



25.4250, 0.3548, 0.2214



31.2047, 0.3669, 0.2058



48.9586, 0.4172, 0.4348



12.5780, 0.3175, 0.3116



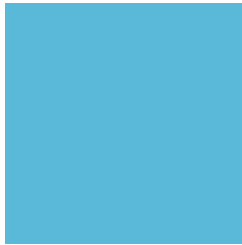
10.2208, 0.3944, 0.1946



0.6292, 0.3790, 0.1862

Previews

White Background



This preview shows how the Yxy color 41.8295, 0.2310, 0.2845 looks on a white background.

Color Contrast Check

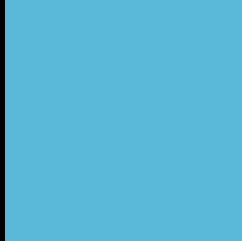
Large Text (above 18pt) WCAG AA × Fail

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 41.8295, 0.2310, 0.2845 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

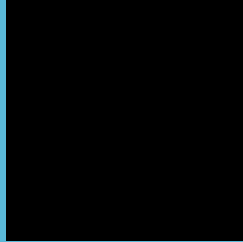
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.8295, 0.2310, 0.2845

Background



This preview shows how black text looks on a background with the Yxy color 41.8295, 0.2310, 0.2845.

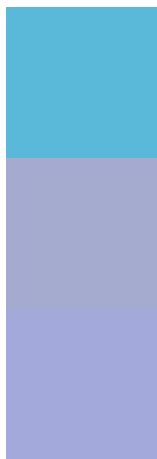


This preview shows how white text looks on a background with the Yxy color 41.8295, 0.2310, 0.2845.

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

41.8295, 0.2310, 0.2845

Protanopia

41.5814, 0.2803, 0.2828

Deuteranopia

41.4358, 0.2696, 0.2634



Tritanopia

41.6897, 0.2359, 0.3065

Trichromacy



Original Color

41.8295, 0.2310, 0.2845

Protanomaly

41.1071, 0.2584, 0.2822

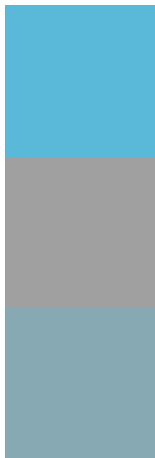
Deuteranomaly

41.0928, 0.2521, 0.2696

Tritanomaly

41.6012, 0.2339, 0.2980

Monochromacy



Original Color

41.8295, 0.2310, 0.2845

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

36.8221, 0.2752, 0.3125

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.8295, 0.2310, 0.2845 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(90, 185, 216)` looks like.

```
.text, #text, p{  
    color:rgb(90, 185, 216)  
}
```

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(90, 185, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 185, 216) }
```

Border

The CSS property to change the border of an element to Yxy 41.8295, 0.2310, 0.2845 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(90, 185, 216) }
```

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

```
.border{ border-color:rgb(90, 185, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 185, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 185, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 185, 216);  
box-shadow:4px 4px 4px 4px rgb(90, 185,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 41.8295, 0.2310, 0.2845 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 185, 216) }
```

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

```
.background{ background-color: rgb(90, 185,  
216) }
```

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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