

Converting Colors

$Y_{xy}(34.8263, 0.2240, 0.2780)$

Have a look what the booklet for
Yxy(34.8263, 0.2240, 0.2780)
contains.

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Color

Yxy(34.8250, 0.2240, 0.2780)

Conversions

Conversions Part 1

Format	Color
Hex	47ABCC
RGB	71, 171, 204
RGB Percent	28%, 67%, 80%
CMY	0.7217, 0.3294, 0.1999
CMYK	0.65, 0.16, 0.00, 0.20
HSL	195°, 57%, 54%
HSV	195°, 65%, 80%
XYZ	28.0604, 34.8250, 62.3844
YIQ	144.8620, -70.1930, -10.9370

Conversions

Conversions Part 2

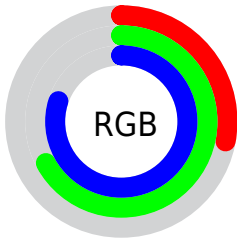
Format	Color
RYB	71, 128, 204
Decimal	4697036
CIELab	65.61, -18.84, -25.40
CIELCh	66, 31.629, 233.429
Yxy	34.8250, 0.2240, 0.2780
Android (android.graphics.Color)	4282887116 (0xFF47ABCC)
YUV	144.8620, 29.1550, -64.7770
Hunter-Lab	59.0127, -18.3958, -21.3686

Details

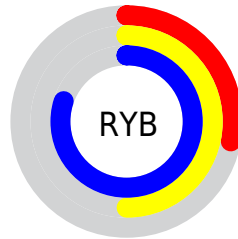
The Yxy color **34.8250, 0.2240, 0.2780** is a dark color, and the websafe version is hex **0099CC**, and the color name is **maximum blue**. The color can be described as middle muted azure. A complement of this color would be **23.1931, 0.4921, 0.3682**, and the grayscale version is **28.1546, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.5993, 0.2429, 0.2946**, and **15.3957, 0.2062, 0.2623** is the 20% darker color. If you saturate the color by 10%, you get **32.3041, 0.2153, 0.2688**, and if you desaturate by 10%, it is **37.6806, 0.2346, 0.2871**.

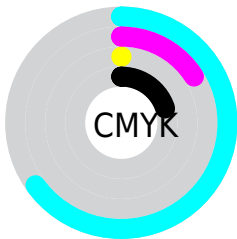
Distribution



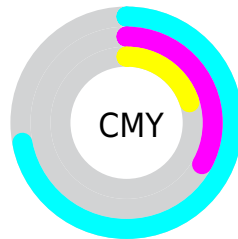
- Red (28%)
- Green (67%)
- Blue (80%)



- Red (28%)
- Yellow (50%)
- Blue (80%)



- Cyan (65%)
- Magenta (16%)
- Yellow (0%)
- Black (20%)



- Cyan (72%)
- Magenta (33%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 34.8250, 0.2240, 0.2780 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 34.8250, 0.2240, 0.2780 by changing the saturation by 10% instead.

■ 34.8250, 0.2240,
0.2780

■ 34.8250, 0.2240,
0.2780

■ 323.7952, 0.2687,
0.3055

■ 23.5281, 0.2129,
0.2706

■ 67.2146, 0.2402,
0.2884

■ 14.9839, 0.1988,
0.2608

■ 89.0760, 0.2463,
0.2922

■ 8.8081, 0.1803,
0.2474

■ 115.2278, 0.2515,
0.2953

■ 4.6162, 0.1554,
0.2281

■ 146.0543, 0.2559,
0.2980

■ 2.0239, 0.1207,
0.1985

■ 181.9399, 0.2598,
0.3003

■ 0.6213, 0.0318,
0.1515

■ 223.2690, 0.2631,

■ 0.0000, 0.0000,

0.3022

0.0000

270.4260, 0.2661,
0.3040

■ 34.8250, 0.2240,
0.2780

■ 34.8250, 0.2240,
0.2780

■ 32.3041, 0.2153,
0.2688

■ 37.6806, 0.2346,
0.2871

■ 30.0861, 0.2085,
0.2595

■ 40.8911, 0.2467,
0.2958

■ 28.1383, 0.2036,
0.2504

■ 44.4795, 0.2601,
0.3041

■ 27.2720, 0.2017,
0.2460

■ 48.4653, 0.2745,
0.3120

■ 52.8666, 0.2895,
0.3192

■ 57.7002, 0.3047,
0.3258

■ 62.9818, 0.3200,
0.3318

■ 68.7264, 0.3351,
0.3371

■ 74.9481, 0.3499,
0.3419

Harmonies

Analogous

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



34.8250, 0.2337, 0.3183



34.8250, 0.2240, 0.2780



34.8250, 0.2354, 0.2554

Triad

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



34.8250, 0.2240, 0.2780



34.8250, 0.3610, 0.2938



34.8250, 0.3556, 0.4172

Complementary

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



34.8250, 0.2240, 0.2780



23.1931, 0.4921, 0.3682

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.



34.8250, 0.3936, 0.4016



34.8250, 0.2240, 0.2780



34.8250, 0.3982, 0.3303

Square

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



34.8250, 0.2240, 0.2780



34.8250, 0.3117, 0.2660



34.8250, 0.4101, 0.3689



34.8250, 0.3078, 0.4054

Rectangle

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



34.8250, 0.2240, 0.2780



34.8250, 0.2540, 0.2511



34.8250, 0.4101, 0.3689



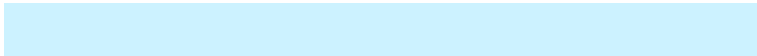
34.8250, 0.3699, 0.4147

Sweetspot

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



34.8263, 0.2240, 0.2780



83.7663, 0.2819, 0.3156



45.4951, 0.2889, 0.4943



17.4916, 0.2776, 0.3135



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.



34.8263, 0.2240, 0.2780



52.0330, 0.2124, 0.2653



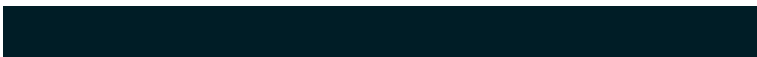
16.0996, 0.1988, 0.1712



12.2371, 0.2983, 0.3231



17.3143, 0.2020, 0.2473



1.0085, 0.2070, 0.2651

Inverse Universe

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



20.2833, 0.3617, 0.2126



28.5368, 0.3756, 0.1994



41.5011, 0.4294, 0.4439



11.3543, 0.3175, 0.3117



9.5509, 0.3949, 0.1949



0.5044, 0.3775, 0.1853

Previews

White Background



This preview shows how the Yxy color 34.8250, 0.2240, 0.2780 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 34.8250, 0.2240, 0.2780 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

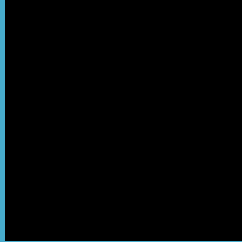
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

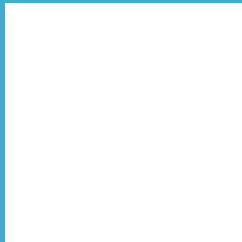
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 34.8250, 0.2240, 0.2780

Background



This preview shows how black text looks on a background with the Yxy color 34.8250, 0.2240, 0.2780.



This preview shows how white text looks on a background with the Yxy color 34.8250, 0.2240, 0.2780.

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

34.8250, 0.2240, 0.2780

Protanopia

34.4930, 0.2755, 0.2765

Deuteranopia

34.4850, 0.2635, 0.2583



Tritanopia

34.9271, 0.2297, 0.3062

Trichromacy



Original Color

34.8250, 0.2240, 0.2780

Protanomaly

33.9828, 0.2513, 0.2755

Deuteranomaly

33.8679, 0.2448, 0.2633

Tritanomaly

34.9060, 0.2274, 0.2955

Monochromacy



Original Color

34.8250, 0.2240, 0.2780

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

29.7159, 0.2697, 0.3093

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.8250, 0.2240, 0.2780 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(71, 171, 204)` looks like.

```
.text, #text, p{  
    color:rgb(71, 171, 204)  
}
```

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(71, 171, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 171, 204) }
```

Border

The CSS property to change the border of an element to Yxy 34.8250, 0.2240, 0.2780 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(71, 171, 204) }
```

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

```
.border{ border-color:rgb(71, 171, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 171, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 171, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 171, 204);  
box-shadow:4px 4px 4px 4px rgb(71, 171,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 34.8250, 0.2240, 0.2780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 171, 204) }
```

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

```
.background{ background-color: rgb(71, 171,  
204) }
```

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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