

Converting Colors

$Y_{xy}(36.0488, 0.2274, 0.2789)$

Have a look what the booklet for
Yxy(36.0488, 0.2274, 0.2789)
contains.

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Color

Yxy(36.0488, 0.2274, 0.2789)

Conversions

Conversions Part 1

Format	Color
Hex	50ADCE
RGB	80, 173, 206
RGB Percent	31%, 68%, 81%
CMY	0.6864, 0.3216, 0.1921
CMYK	0.61, 0.16, 0.00, 0.19
HSL	196°, 56%, 56%
HSV	196°, 61%, 81%
XYZ	29.3922, 36.0488, 63.8125
YIQ	148.9550, -66.0210, -9.4530

Conversions

Conversions Part 2

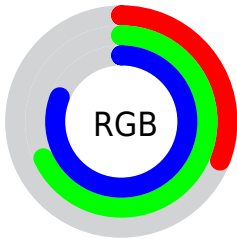
Format	Color
RYB	80, 134, 206
Decimal	5287374
CIELab	66.56, -17.73, -25.03
CIELCh	67, 30.675, 234.685
Yxy	36.0488, 0.2274, 0.2789
Android (android.graphics.Color)	4283477454 (0xFF50ADCE)
YUV	148.9550, 28.1232, -60.4735
Hunter-Lab	60.0407, -17.6884, -20.9862

Details

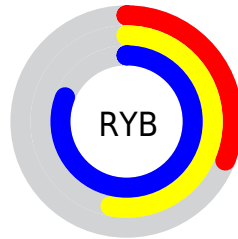
The Yxy color **36.0488, 0.2274, 0.2789** is a light color, and the websafe version is hex **3399CC**. The color can be described as light muted azure. A complement of this color would be **25.5118, 0.4748, 0.3692**, and the grayscale version is **29.9339, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.8341, 0.2467, 0.2985**, and **15.9417, 0.2065, 0.2632** is the 20% darker color. If you saturate the color by 10%, you get **33.2589, 0.2177, 0.2692**, and if you desaturate by 10%, it is **39.1998, 0.2388, 0.2884**.

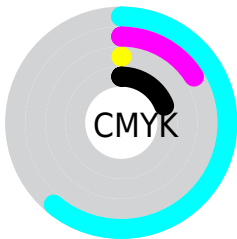
Distribution



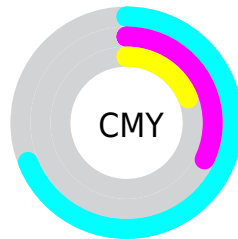
- Red (31%)
- Green (68%)
- Blue (81%)



- Red (31%)
- Yellow (53%)
- Blue (81%)



- Cyan (61%)
- Magenta (16%)
- Yellow (0%)
- Black (19%)



- Cyan (69%)
- Magenta (32%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 36.0488, 0.2274, 0.2789 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 36.0488, 0.2274, 0.2789 by changing the saturation by 10% instead.

■ 36.0488, 0.2274,
0.2789

■ 36.0488, 0.2274,
0.2789

■ 329.1738, 0.2702,
0.3057

■ 24.4719, 0.2168,
0.2718

■ 69.1074, 0.2429,
0.2890

■ 15.6840, 0.2033,
0.2624

■ 91.3578, 0.2488,
0.2927

■ 9.3008, 0.1857,
0.2495

■ 117.9349, 0.2537,
0.2957

■ 4.9379, 0.1619,
0.2311

■ 149.2231, 0.2580,
0.2983

■ 2.2109, 0.1287,
0.2030

■ 185.6066, 0.2617,
0.3006

■ 0.7259, 0.0567,
0.1600

■ 227.4700, 0.2649,

■ 0.0000, 0.0000,

0.3025

0.0000

275.1976, 0.2677,
0.3042

■ 36.0488, 0.2274,
0.2789

■ 36.0488, 0.2274,
0.2789

■ 33.2589, 0.2177,
0.2692

■ 39.1998, 0.2388,
0.2884

■ 30.7990, 0.2099,
0.2593

■ 42.7316, 0.2517,
0.2975

■ 28.6386, 0.2041,
0.2496

■ 46.6669, 0.2657,
0.3061

■ 26.9313, 0.2003,
0.2410

■ 51.0252, 0.2804,
0.3142

■ 55.8246, 0.2956,
0.3215

61.0820, 0.3109,
0.3283

66.8133, 0.3261,
0.3343

73.0335, 0.3411,
0.3397

77.7321, 0.3478,
0.3449

Harmonies

Analogous

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



36.0488, 0.2359, 0.3170



36.0488, 0.2274, 0.2789



36.0488, 0.2392, 0.2578

Triad

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



36.0488, 0.2274, 0.2789



36.0488, 0.3608, 0.2965



36.0488, 0.3522, 0.4136

Complementary

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



36.0488, 0.2274, 0.2789



25.5118, 0.4748, 0.3692

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.



36.0488, 0.3892, 0.3998



36.0488, 0.2274, 0.2789



36.0488, 0.3956, 0.3320

Square

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



36.0488, 0.2274, 0.2789



36.0488, 0.3138, 0.2692



36.0488, 0.4059, 0.3691



36.0488, 0.3062, 0.4009

Rectangle

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



36.0488, 0.2274, 0.2789



36.0488, 0.2577, 0.2541



36.0488, 0.4059, 0.3691



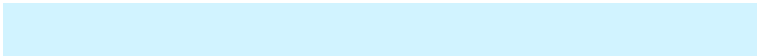
36.0488, 0.3661, 0.4116

Sweetspot

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



36.0501, 0.2274, 0.2789



84.8774, 0.2849, 0.3164



47.0144, 0.2884, 0.4795



17.6931, 0.2804, 0.3142



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.



36.0501, 0.2274, 0.2789



52.7382, 0.2154, 0.2665



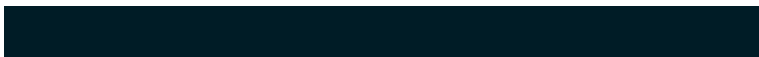
17.6372, 0.2048, 0.1789



12.2103, 0.2983, 0.3228



16.7452, 0.2007, 0.2425



0.9831, 0.2059, 0.2613

Inverse Universe

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



21.8757, 0.3601, 0.2196



29.9657, 0.3736, 0.2053



44.1721, 0.4206, 0.4408



11.3516, 0.3177, 0.3120



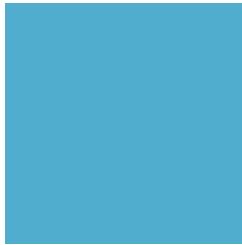
9.4934, 0.3998, 0.1976



0.5018, 0.3811, 0.1873

Previews

White Background



This preview shows how the Yxy color 36.0488, 0.2274, 0.2789 looks on a white background.

Color Contrast Check

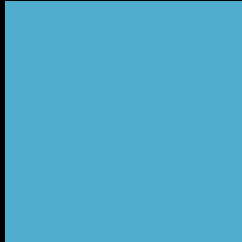
Large Text (above 18pt) WCAG AA × Fail

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 36.0488, 0.2274, 0.2789 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 36.0488, 0.2274, 0.2789

Background



This preview shows how black text looks on a background with the Yxy color 36.0488, 0.2274, 0.2789.

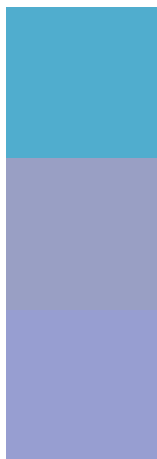


This preview shows how white text looks on a background with the Yxy color 36.0488, 0.2274, 0.2789.

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

36.0488, 0.2274, 0.2789

Protanopia

35.5541, 0.2768, 0.2772

Deuteranopia

35.6365, 0.2656, 0.2593



Tritanopia

36.1848, 0.2336, 0.3067

Trichromacy



Original Color

36.0488, 0.2274, 0.2789

Protanomaly

35.1567, 0.2540, 0.2764

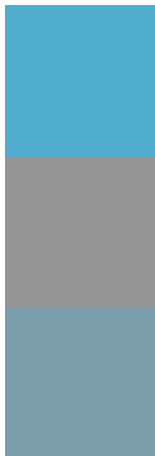
Deuteranomaly

35.1084, 0.2481, 0.2644

Tritanomaly

36.1820, 0.2314, 0.2962

Monochromacy



Original Color

36.0488, 0.2274, 0.2789

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

31.6411, 0.2722, 0.3099

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.0488, 0.2274, 0.2789 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(80, 173, 206)` looks like.

```
.text, #text, p{  
    color:rgb(80, 173, 206)  
}
```

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(80, 173, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 173, 206) }
```

Border

The CSS property to change the border of an element to Yxy 36.0488, 0.2274, 0.2789 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(80, 173, 206) }
```

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

```
.border{ border-color:rgb(80, 173, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 173, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 173, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 173, 206);  
box-shadow:4px 4px 4px 4px rgb(80, 173,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 36.0488, 0.2274, 0.2789 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 173, 206) }
```

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

```
.background{ background-color: rgb(80, 173,  
206) }
```

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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