

Converting Colors

$Y_{xy}(28.1722, 0.2285, 0.2842)$

Have a look what the booklet for
Yxy(28.1722, 0.2285, 0.2842)
contains.

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Color

$Y_{xy}(28.0853, 0.2280, 0.2831)$

Conversions

Conversions Part 1

Format	Color
Hex	459BB6
RGB	69, 155, 182
RGB Percent	27%, 61%, 71%
CMY	0.7296, 0.3921, 0.2861
CMYK	0.62, 0.15, 0.00, 0.29
HSL	194°, 45%, 49%
HSV	194°, 62%, 71%
XYZ	22.6190, 28.0853, 48.5020
YIQ	132.3640, -59.9230, -9.8350

Conversions

Conversions Part 2

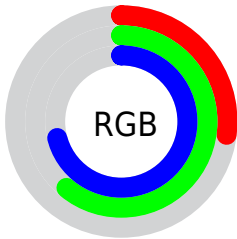
Format	Color
R _Y B	69, 118, 182
Decimal	4561846
CIE Lab	59.97, -17.59, -21.77
CIE LCh	60, 27.987, 231.059
Yxy	28.0853, 0.2280, 0.2831
Android (android.graphics.Color)	4282751926 (0xFF459BB6)
YUV	132.3640, 24.4705, -55.5702
Hunter-Lab	52.9956, -16.5567, -17.1658

Details

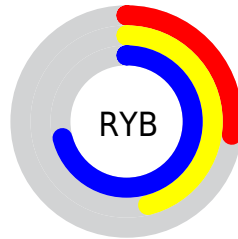
The Yxy color **28.0853, 0.2280, 0.2831** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **18.7410, 0.4792, 0.3657**, and the grayscale version is **23.1357, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.8554, 0.2447, 0.2937**, and **11.4856, 0.2077, 0.2676** is the 20% darker color. If you saturate the color by 10%, you get **26.0978, 0.2188, 0.2744**, and if you desaturate by 10%, it is **30.3312, 0.2390, 0.2916**.

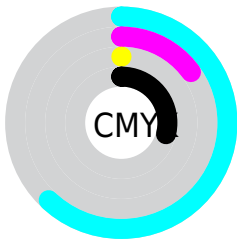
Distribution



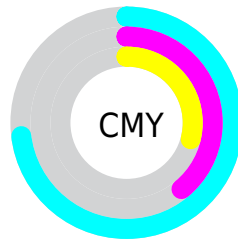
- Red (27%)
- Green (61%)
- Blue (71%)



- Red (27%)
- Yellow (46%)
- Blue (71%)



- Cyan (62%)
- Magenta (15%)
- Yellow (0%)
- Black (29%)



- Cyan (73%)
- Magenta (39%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.0853, 0.2280, 0.2831 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 28.0853, 0.2280, 0.2831 by changing the saturation by 10% instead.

■ 28.0853, 0.2280,
0.2831

■ 28.0853, 0.2280,
0.2831

■ 292.8743, 0.2723,
0.3088

■ 18.3900, 0.2164,
0.2758

■ 56.6206, 0.2445,
0.2931

■ 11.2303, 0.2013,
0.2658

■ 76.2294, 0.2506,
0.2966

■ 6.2220, 0.1809,
0.2516

■ 99.9114, 0.2557,
0.2996

■ 2.9805, 0.1523,
0.2300

■ 128.0511, 0.2600,
0.3020

■ 1.1216, 0.1077,
0.1951

■ 161.0328, 0.2638,
0.3041

■ 0.0000, 0.0000,
0.0000

199.2410, 0.2670,

0.3059

243.0600, 0.2698,
0.3074

■ 28.0853, 0.2280,
0.2831

■ 28.0853, 0.2280,
0.2831

■ 26.0978, 0.2188,
0.2744

■ 30.3312, 0.2390,
0.2916

■ 24.3456, 0.2114,
0.2655

■ 32.8498, 0.2514,
0.2999

■ 22.8062, 0.2060,
0.2568

■ 35.6579, 0.2650,
0.3076

■ 21.7058, 0.2028,
0.2499

■ 38.7698, 0.2794,
0.3149

■ 42.1987, 0.2943,
0.3216

■ 45.9571, 0.3095,
0.3278

■ 50.0567, 0.3247,
0.3333

■ 54.5083, 0.3396,
0.3383

■ 59.3227, 0.3541,
0.3427

Harmonies

Analogous

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



28.0853, 0.2389, 0.3226



28.0853, 0.2280, 0.2831



28.0853, 0.2373, 0.2599

Triad

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



28.0853, 0.2280, 0.2831



28.0853, 0.3551, 0.2930



28.0853, 0.3570, 0.4125

Complementary

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



28.0853, 0.2280, 0.2831



18.7410, 0.4792, 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.



28.0853, 0.3919, 0.3963



28.0853, 0.2280, 0.2831



28.0853, 0.3919, 0.3275

Square

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



28.0853, 0.2280, 0.2831



28.0853, 0.3081, 0.2672



28.0853, 0.4054, 0.3645



28.0853, 0.3118, 0.4033

Rectangle

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



28.0853, 0.2280, 0.2831



28.0853, 0.2542, 0.2547



28.0853, 0.4054, 0.3645



28.0853, 0.3704, 0.4095

Sweetspot

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



28.0863, 0.2280, 0.2831



71.9411, 0.2835, 0.3169



35.5652, 0.2894, 0.4840



15.5110, 0.2793, 0.3149



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



28.0863, 0.2280, 0.2831



45.9291, 0.2155, 0.2707



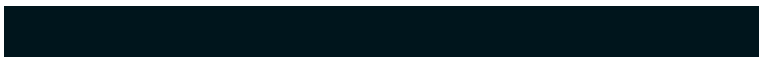
13.5867, 0.2048, 0.1811



9.8370, 0.2985, 0.3234



15.4291, 0.2030, 0.2509



0.6332, 0.2093, 0.2734

Inverse Universe

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



16.5665, 0.3566, 0.2161



25.1116, 0.3700, 0.2004



32.7953, 0.4230, 0.4392



9.1250, 0.3173, 0.3118



8.3399, 0.3913, 0.1929



0.3030, 0.3697, 0.1810

Previews

White Background



This preview shows how the Yxy color 28.0853, 0.2280, 0.2831 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 28.0853, 0.2280, 0.2831 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

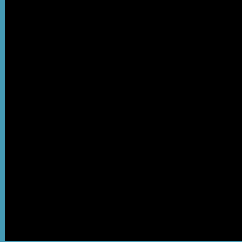
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.0853, 0.2280, 0.2831

Background



This preview shows how black text looks on a background with the Yxy color 28.0853, 0.2280, 0.2831.

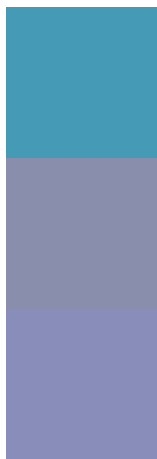


This preview shows how white text looks on a background with the Yxy color 28.0853, 0.2280, 0.2831.

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

28.0853, 0.2280, 0.2831

Protanopia

27.6815, 0.2791, 0.2806

Deuteranopia

27.7868, 0.2683, 0.2622



Tritanopia

28.0730, 0.2328, 0.3059

Trichromacy



Original Color

28.0853, 0.2280, 0.2831

Protanomaly

27.4468, 0.2560, 0.2816

Deuteranomaly

27.4632, 0.2502, 0.2683

Tritanomaly

27.9567, 0.2310, 0.2975

Monochromacy



Original Color

28.0853, 0.2280, 0.2831

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

24.2094, 0.2723, 0.3111

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.0853, 0.2280, 0.2831 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(69, 155, 182)` looks like.

```
.text, #text, p{  
    color:rgb(69, 155, 182)  
}
```

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(69, 155, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 155, 182) }
```

Border

The CSS property to change the border of an element to Yxy 28.0853, 0.2280, 0.2831 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(69, 155, 182) }
```

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

```
.border{ border-color:rgb(69, 155, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 155, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 155, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 155, 182);  
box-shadow:4px 4px 4px 4px rgb(69, 155,  
182) }
```


Background

The CSS property to change the background color of an element to Yxy 28.0853, 0.2280, 0.2831 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 155, 182) }
```

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

```
.background{ background-color: rgb(69, 155,  
182) }
```

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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