

Converting Colors

$Yxy(28.3631, 0.2364, 0.2833)$

Have a look what the booklet for
Yxy(28.3631, 0.2364, 0.2833)
contains.

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Color

Yxy(28.3787, 0.2365, 0.2839)

Conversions

Conversions Part 1

Format	Color
Hex	559AB5
RGB	85, 154, 181
RGB Percent	33%, 60%, 71%
CMY	0.6667, 0.3961, 0.2902
CMYK	0.53, 0.15, 0.00, 0.29
HSL	197°, 39%, 52%
HSV	197°, 53%, 71%
XYZ	23.6406, 28.3787, 47.9409
YIQ	136.4470, -49.7910, -6.2310

Conversions

Conversions Part 2

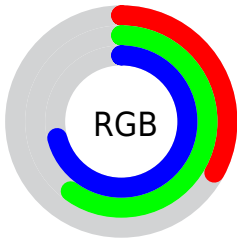
Format	Color
RYP	85, 125, 181
Decimal	5610165
CIELab	60.23, -14.13, -20.72
CIElCh	60, 25.082, 235.710
Yxy	28.3787, 0.2365, 0.2839
Android (android.graphics.Color)	4283800245 (0xFF559AB5)
YUV	136.4470, 21.9646, -45.1190
Hunter-Lab	53.2717, -14.0117, -16.0668

Details

The Yxy color **28.3787, 0.2365, 0.2839** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **22.0611, 0.4414, 0.3677**, and the grayscale version is **24.7266, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.8889, 0.2514, 0.2929**, and **11.4184, 0.2125, 0.2679** is the 20% darker color. If you saturate the color by 10%, you get **25.9944, 0.2251, 0.2737**, and if you desaturate by 10%, it is **31.0530, 0.2493, 0.2937**.

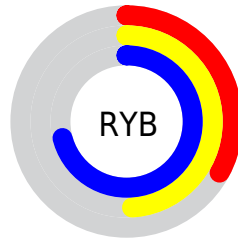
Distribution



Red (33%)

Green (60%)

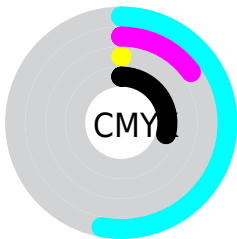
Blue (71%)



Red (33%)

Yellow (49%)

Blue (71%)

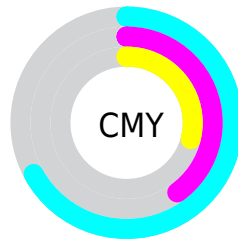


Cyan (53%)

Magenta (15%)

Yellow (0%)

Black (29%)



Cyan (67%)

Magenta (40%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.3787, 0.2365, 0.2839 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 28.3787, 0.2365, 0.2839 by changing the saturation by 10% instead.

■ 28.3787, 0.2365,
0.2839

■ 28.3787, 0.2365,
0.2839

■ 294.2721, 0.2765,
0.3088

■ 18.6113, 0.2260,
0.2769

■ 57.0885, 0.2515,
0.2936

■ 11.3898, 0.2122,
0.2673

■ 76.7997, 0.2570,
0.2970

■ 6.3296, 0.1935,
0.2538

■ 100.5943, 0.2616,
0.2998

■ 3.0465, 0.1668,
0.2333

■ 128.8567, 0.2655,
0.3022

■ 1.1561, 0.1263,
0.1996

■ 161.9713, 0.2688,
0.3043

■ 0.0254, 0.0000,
0.0159

■ 200.3224, 0.2717,

■ 0.0000, 0.0000,

0.3060

0.0000

244.2946, 0.2743,
0.3075

■ 28.3787, 0.2365,
0.2839

■ 28.3787, 0.2365,
0.2839

■ 25.9944, 0.2251,
0.2737

■ 31.0530, 0.2493,
0.2937

■ 23.8790, 0.2154,
0.2632

■ 34.0299, 0.2632,
0.3030

■ 22.0135, 0.2077,
0.2527

■ 37.3252, 0.2778,
0.3117

■ 20.3737, 0.2019,
0.2423

■ 40.9523, 0.2929,
0.3197

■ 19.3318, 0.1986,
0.2350

■ 44.9238, 0.3081,
0.3269

■ 49.2516, 0.3232,
0.3335

■ 53.9470, 0.3380,
0.3394

■ 59.0205, 0.3523,
0.3446

■ 64.4825, 0.3661,
0.3491

Harmonies

Analogous

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



28.3787, 0.2437, 0.3175



28.3787, 0.2365, 0.2839



28.3787, 0.2478, 0.2652

Triad

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



28.3787, 0.2365, 0.2839



28.3787, 0.3567, 0.3012



28.3787, 0.3468, 0.4037

Complementary

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



28.3787, 0.2365, 0.2839



22.0611, 0.4414, 0.3677

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.



28.3787, 0.3799, 0.3930



28.3787, 0.2365, 0.2839



28.3787, 0.3867, 0.3333

Square

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



28.3787, 0.2365, 0.2839



28.3787, 0.3153, 0.2762



28.3787, 0.3952, 0.3664



28.3787, 0.3059, 0.3913

Rectangle

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



28.3787, 0.2365, 0.2839



28.3787, 0.2648, 0.2620



28.3787, 0.3952, 0.3664



28.3787, 0.3593, 0.4024

Sweetspot

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



28.3798, 0.2365, 0.2839



71.1918, 0.2880, 0.3172



36.1127, 0.2893, 0.4520



15.1016, 0.2850, 0.3156



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



28.3798, 0.2365, 0.2839



45.7549, 0.2230, 0.2716



15.8640, 0.2198, 0.2005



9.2197, 0.2986, 0.3225



13.4506, 0.1990, 0.2363



0.5158, 0.2070, 0.2652

Inverse Universe

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



18.6515, 0.3540, 0.2347



27.8292, 0.3671, 0.2179



35.1334, 0.4037, 0.4296



8.6052, 0.3179, 0.3128



7.8980, 0.4061, 0.2011



0.2579, 0.3774, 0.1853

Previews

White Background



This preview shows how the Yxy color 28.3787, 0.2365, 0.2839 looks on a white background.

Color Contrast Check

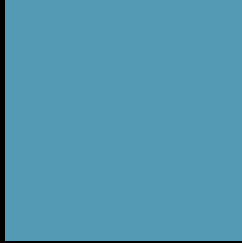
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.3787, 0.2365, 0.2839 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

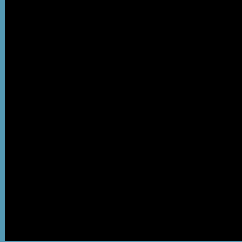
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.3787, 0.2365, 0.2839

Background



This preview shows how black text looks on a background with the Yxy color 28.3787, 0.2365, 0.2839.



This preview shows how white text looks on a background with the Yxy color 28.3787, 0.2365, 0.2839.

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

28.3787, 0.2365, 0.2839

Protanopia

28.0653, 0.2802, 0.2824

Deuteranopia

28.2100, 0.2710, 0.2654



Tritanopia

28.3908, 0.2422, 0.3064

Trichromacy



Original Color

28.3787, 0.2365, 0.2839

Protanomaly

27.9240, 0.2617, 0.2823

Deuteranomaly

27.8986, 0.2563, 0.2705

Tritanomaly

28.2537, 0.2399, 0.2981

Monochromacy



Original Color

28.3787, 0.2365, 0.2839

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

25.6938, 0.2784, 0.3134

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.3787, 0.2365, 0.2839 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(85, 154, 181)` looks like.

```
.text, #text, p{  
    color:rgb(85, 154, 181)  
}
```

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(85, 154, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 154, 181) }
```

Border

The CSS property to change the border of an element to Yxy 28.3787, 0.2365, 0.2839 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(85, 154, 181) }
```

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

```
.border{ border-color:rgb(85, 154, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 154, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 154, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 154, 181);  
box-shadow:4px 4px 4px 4px rgb(85, 154,  
181) }
```


Background

The CSS property to change the background color of an element to Yxy 28.3787, 0.2365, 0.2839 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 154, 181) }
```

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

```
.background{ background-color: rgb(85, 154,  
181) }
```

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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