

Converting Colors

$Y_{xy}(28.2815, 0.2252, 0.2570)$

Have a look what the booklet for
Yxy(28.2815, 0.2252, 0.2570)
contains.

Yxy(28.2815, 0.2252, 0.2570)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$Y_{xy}(28.2815, 0.2252, 0.2570)$

Conversions

Conversions Part 1

Format	Color
Hex	5298C5
RGB	82, 152, 197
RGB Percent	32%, 60%, 77%
CMY	0.6787, 0.4039, 0.2274
CMYK	0.58, 0.23, 0.00, 0.23
HSL	203°, 50%, 55%
HSV	203°, 58%, 77%
XYZ	24.7821, 28.2815, 56.9812
YIQ	136.2000, -56.1650, -0.8450

Conversions

Conversions Part 2

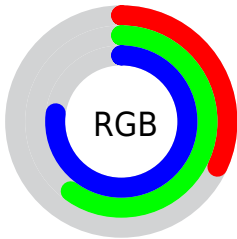
Format	Color
R _Y B	82, 126, 197
Decimal	5413061
CIE Lab	60.14, -8.77, -29.89
CIE LCh	60, 31.152, 253.642
Yxy	28.2815, 0.2252, 0.2570
Android (android.graphics.Color)	4283603141 (0xFF5298C5)
YUV	136.2000, 29.9744, -47.5334
Hunter-Lab	53.1804, -9.8845, -26.3012

Details

The Yxy color **28.2815, 0.2252, 0.2570** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle muted azure. A complement of this color would be **27.6411, 0.4501, 0.3872**, and the grayscale version is **24.5956, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.8738, 0.2421, 0.2712**, and **11.2970, 0.1981, 0.2325** is the 20% darker color. If you saturate the color by 10%, you get **25.1030, 0.2131, 0.2420**, and if you desaturate by 10%, it is **31.8779, 0.2388, 0.2715**.

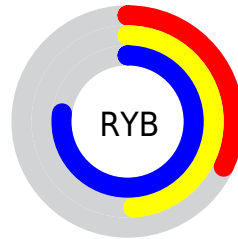
Distribution



Red (32%)

Green (60%)

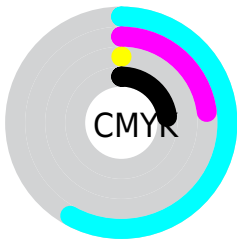
Blue (77%)



Red (32%)

Yellow (49%)

Blue (77%)

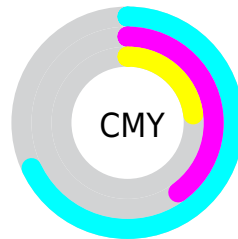


Cyan (58%)

Magenta (23%)

Yellow (0%)

Black (23%)



Cyan (68%)

Magenta (40%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.2815, 0.2252, 0.2570 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 28.2815, 0.2252, 0.2570 by changing the saturation by 10% instead.

■ 28.2815, 0.2252,
0.2570

■ 28.2815, 0.2252,
0.2570

■ 293.8096, 0.2708,
0.2956

■ 18.5380, 0.2134,
0.2466

■ 56.9336, 0.2421,
0.2716

■ 11.3369, 0.1982,
0.2330

■ 76.6109, 0.2484,
0.2769

■ 6.2939, 0.1779,
0.2144

■ 100.3682, 0.2536,
0.2814

■ 3.0246, 0.1500,
0.1877

■ 128.5900, 0.2581,
0.2851

■ 1.1446, 0.1103,
0.1480

■ 161.6607, 0.2619,
0.2883

■ 0.0157, 0.0000,
0.0060

■ 199.9646, 0.2653,

■ 0.0000, 0.0000,

0.2911

0.0000

243.8861, 0.2682,
0.2935

■ 28.2815, 0.2252,
0.2570

■ 28.2815, 0.2252,
0.2570

■ 25.1030, 0.2131,
0.2420

■ 31.8779, 0.2388,
0.2715

■ 22.3139, 0.2028,
0.2269

■ 35.9119, 0.2534,
0.2852

■ 19.8859, 0.1946,
0.2119

■ 40.4051, 0.2687,
0.2981

■ 17.7742, 0.1884,
0.1972

■ 45.3767, 0.2843,
0.3100

■ 17.4578, 0.1875,
0.1949

■ 50.8444, 0.2999,
0.3208

■ 56.8252, 0.3151,
0.3305

■ 63.3348, 0.3299,
0.3392

■ 70.3883, 0.3440,
0.3468

■ 77.1867, 0.3543,
0.3539

Harmonies

Analogous

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



28.2815, 0.2204, 0.2870



28.2815, 0.2252, 0.2570



28.2815, 0.2511, 0.2472

Triad

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



28.2815, 0.2252, 0.2570



28.2815, 0.3926, 0.3170



28.2815, 0.3239, 0.4176

Complementary

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



28.2815, 0.2252, 0.2570



27.6411, 0.4501, 0.3872

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.



28.2815, 0.3725, 0.4195



28.2815, 0.2252, 0.2570



28.2815, 0.4148, 0.3576

Square

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



28.2815, 0.2252, 0.2570



28.2815, 0.3471, 0.2812



28.2815, 0.4066, 0.3952



28.2815, 0.2747, 0.3848

Rectangle

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



28.2815, 0.2252, 0.2570



28.2815, 0.2786, 0.2514



28.2815, 0.4066, 0.3952



28.2815, 0.3409, 0.4218

Sweetspot

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



28.2825, 0.2252, 0.2570



81.3881, 0.2845, 0.3101



43.2352, 0.2802, 0.4452



16.8371, 0.2799, 0.3067



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.



28.2825, 0.2252, 0.2570



43.5589, 0.2102, 0.2380



14.0718, 0.2047, 0.1629



11.3443, 0.2984, 0.3197



11.6480, 0.1880, 0.1968



0.6895, 0.1965, 0.2274

Inverse Universe

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



20.1636, 0.3784, 0.2406



30.0093, 0.3998, 0.2279



46.5882, 0.4041, 0.4525



10.7436, 0.3196, 0.3150



8.7159, 0.4489, 0.2247



0.4266, 0.4154, 0.2062

Previews

White Background



This preview shows how the Yxy color 28.2815, 0.2252, 0.2570 looks on a white background.

Color Contrast Check

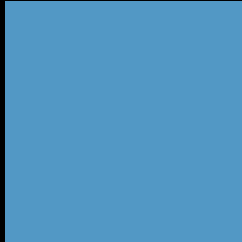
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.2815, 0.2252, 0.2570 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

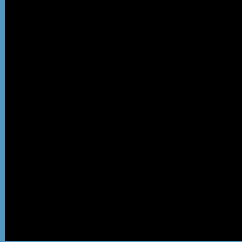
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

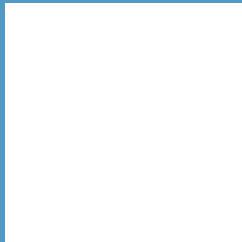
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 28.2815, 0.2252, 0.2570

Background



This preview shows how black text looks on a background with the Yxy color 28.2815, 0.2252, 0.2570.



This preview shows how white text looks on a background with the Yxy color 28.2815, 0.2252, 0.2570.

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

28.2815, 0.2252, 0.2570

Protanopia

27.8890, 0.2603, 0.2563

Deuteranopia

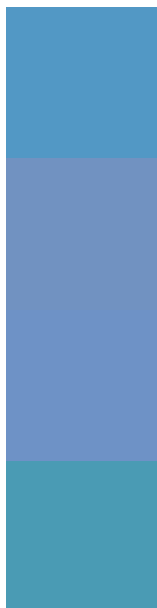
27.9051, 0.2499, 0.2439



Tritanopia

28.3183, 0.2361, 0.3061

Trichromacy



Original Color

28.2815, 0.2252, 0.2570

Protanomaly

27.9187, 0.2449, 0.2560

Deuteranomaly

27.9500, 0.2397, 0.2490

Tritanomaly

28.1938, 0.2315, 0.2865

Monochromacy



Original Color

28.2815, 0.2252, 0.2570

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

25.5276, 0.2723, 0.3016

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.2815, 0.2252, 0.2570 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(82, 152, 197)` looks like.

```
.text, #text, p{  
  color:rgb(82, 152, 197)  
}
```

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(82, 152, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 152, 197) }
```

Border

The CSS property to change the border of an element to Yxy 28.2815, 0.2252, 0.2570 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(82, 152, 197) }
```

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

```
.border{ border-color:rgb(82, 152, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 152, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 152, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 152, 197);  
box-shadow:4px 4px 4px 4px rgb(82, 152,  
197) }
```


Background

The CSS property to change the background color of an element to Yxy 28.2815, 0.2252, 0.2570 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 152, 197) }
```

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

```
.background{ background-color: rgb(82, 152,  
197) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor