

Converting Colors

$Y_{xy}(28.3401, 0.2244, 0.2601)$

Have a look what the booklet for
Yxy(28.3401, 0.2244, 0.2601)
contains.

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Color

Yxy(28.3877, 0.2241, 0.2597)

Conversions

Conversions Part 1

Format	Color
Hex	4E99C4
RGB	78, 153, 196
RGB Percent	31%, 60%, 77%
CMY	0.6943, 0.4000, 0.2313
CMYK	0.60, 0.22, 0.00, 0.23
HSL	202°, 50%, 54%
HSV	202°, 60%, 77%
XYZ	24.4963, 28.3877, 56.4256
YIQ	135.4770, -58.5030, -2.5270

Conversions

Conversions Part 2

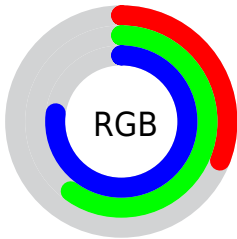
Format	Color
R_{YB}	78, 124, 196
Decimal	5151172
CIE _{Lab}	60.24, -10.42, -29.20
CIE _{LCh}	60, 31.004, 250.368
Yxy	28.3877, 0.2241, 0.2597
Android (android.graphics.Color)	4283341252 (0xFF4E99C4)
YUV	135.4770, 29.8378, -50.4073
Hunter-Lab	53.2801, -11.1723, -25.4942

Details

The Yxy color **28.3877, 0.2241, 0.2597** 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 **25.9584, 0.4588, 0.3845**, and the grayscale version is **24.3157, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.9517, 0.2408, 0.2733**, and **11.4557, 0.1991, 0.2368** is the 20% darker color. If you saturate the color by 10%, you get **25.4123, 0.2127, 0.2458**, and if you desaturate by 10%, it is **31.7518, 0.2371, 0.2732**.

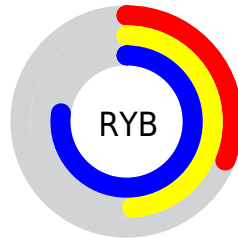
Distribution



Red (31%)

Green (60%)

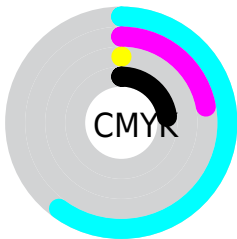
Blue (77%)



Red (31%)

Yellow (49%)

Blue (77%)

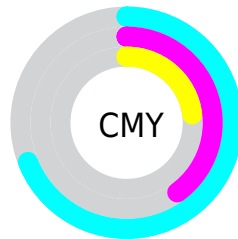


Cyan (60%)

Magenta (22%)

Yellow (0%)

Black (23%)



Cyan (69%)

Magenta (40%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.3877, 0.2241, 0.2597 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 28.3877, 0.2241, 0.2597 by changing the saturation by 10% instead.

■ 28.3877, 0.2241,
0.2597

■ 28.3877, 0.2241,
0.2597

■ 294.3149, 0.2702,
0.2971

■ 18.6181, 0.2122,
0.2496

■ 57.1028, 0.2412,
0.2739

■ 11.3947, 0.1969,
0.2363

■ 76.8172, 0.2475,
0.2790

■ 6.3330, 0.1764,
0.2180

■ 100.6152, 0.2528,
0.2833

■ 3.0486, 0.1482,
0.1918

■ 128.8814, 0.2573,
0.2869

■ 1.1571, 0.1084,
0.1524

■ 162.0000, 0.2612,
0.2900

■ 0.0263, 0.0000,
0.0102

■ 200.3555, 0.2646,

■ 0.0000, 0.0000,

0.2927

0.0000

244.3324, 0.2676,
0.2950

■ 28.3877, 0.2241,
0.2597

■ 28.3877, 0.2241,
0.2597

■ 25.4123, 0.2127,
0.2458

■ 31.7518, 0.2371,
0.2732

■ 22.7974, 0.2032,
0.2318

■ 35.5238, 0.2512,
0.2861

■ 20.5146, 0.1957,
0.2178

■ 39.7249, 0.2662,
0.2982

■ 18.5519, 0.1902,
0.2045

■ 44.3737, 0.2816,
0.3094

■ 49.4874, 0.2971,
0.3196

■ 55.0823, 0.3124,
0.3288

■ 61.1738, 0.3273,
0.3371

■ 67.7763, 0.3417,
0.3444

■ 74.9039, 0.3554,
0.3509

Harmonies

Analogous

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



28.3877, 0.2217, 0.2917



28.3877, 0.2241, 0.2597



28.3877, 0.2477, 0.2478

Triad

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



28.3877, 0.2241, 0.2597



28.3877, 0.3881, 0.3129



28.3877, 0.3295, 0.4188

Complementary

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



28.3877, 0.2241, 0.2597



25.9584, 0.4588, 0.3845

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.



28.3877, 0.3768, 0.4174



28.3877, 0.2241, 0.2597



28.3877, 0.4132, 0.3530

Square

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



28.3877, 0.2241, 0.2597



28.3877, 0.3412, 0.2781



28.3877, 0.4083, 0.3912



28.3877, 0.2799, 0.3893

Rectangle

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



28.3877, 0.2241, 0.2597



28.3877, 0.2739, 0.2506



28.3877, 0.4083, 0.3912



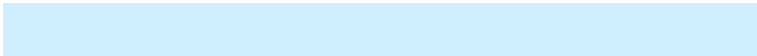
28.3877, 0.3462, 0.4218

Sweetspot

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



28.3887, 0.2241, 0.2597



82.0994, 0.2846, 0.3114



42.4468, 0.2820, 0.4563



17.0112, 0.2800, 0.3083



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.



28.3887, 0.2241, 0.2597



44.5844, 0.2097, 0.2417



13.9107, 0.2026, 0.1633



10.7912, 0.2984, 0.3204



12.0859, 0.1907, 0.2064



0.6496, 0.1991, 0.2369

Inverse Universe

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



19.4824, 0.3765, 0.2348



29.4527, 0.3967, 0.2221



44.2540, 0.4094, 0.4515



10.1832, 0.3192, 0.3145



8.5023, 0.4381, 0.2187



0.3802, 0.4055, 0.2007

Previews

White Background



This preview shows how the Yxy color 28.3877, 0.2241, 0.2597 looks on a white background.

Color Contrast Check

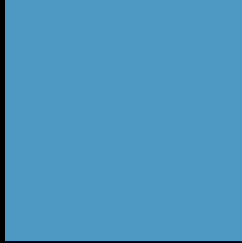
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.3877, 0.2241, 0.2597 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 28.3877, 0.2241, 0.2597

Background



This preview shows how black text looks on a background with the Yxy color 28.3877, 0.2241, 0.2597.



This preview shows how white text looks on a background with the Yxy color 28.3877, 0.2241, 0.2597.

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

28.3877, 0.2241, 0.2597

Protanopia

28.1813, 0.2628, 0.2607

Deuteranopia

28.3113, 0.2523, 0.2471



Tritanopia

28.5142, 0.2346, 0.3078

Trichromacy



Original Color

28.3877, 0.2241, 0.2597

Protanomaly

28.0738, 0.2458, 0.2602

Deuteranomaly

28.2137, 0.2405, 0.2519

Tritanomaly

28.3337, 0.2306, 0.2897

Monochromacy



Original Color

28.3877, 0.2241, 0.2597

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

25.3577, 0.2713, 0.3031

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.3877, 0.2241, 0.2597 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(78, 153, 196)` looks like.

```
.text, #text, p{  
    color:rgb(78, 153, 196)  
}
```

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(78, 153, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 153, 196) }
```

Border

The CSS property to change the border of an element to Yxy 28.3877, 0.2241, 0.2597 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(78, 153, 196) }
```

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

```
.border{ border-color:rgb(78, 153, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 153, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 153, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 153, 196);  
box-shadow:4px 4px 4px 4px rgb(78, 153,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 28.3877, 0.2241, 0.2597 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 153, 196) }
```

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

```
.background{ background-color: rgb(78, 153,  
196) }
```

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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