

Converting Colors

$Y_{xy}(27.4631, 0.2325, 0.2736)$

Have a look what the booklet for
Yxy(27.4631, 0.2325, 0.2736)
contains.

Yxy(27.4329, 0.2325, 0.2740) 3

Conversions 4

Details 6

Harmonies 12

Previews 24

Color Blindness Simulation 27

CSS Examples 30

Color

$Y_{xy}(27.4329, 0.2325, 0.2740)$

Conversions

Conversions Part 1	
Format	Color
Hex	5397B8
RGB	83, 151, 184
RGB Percent	33%, 59%, 72%
CMY	0.6749, 0.4078, 0.2785
CMYK	0.55, 0.18, 0.00, 0.28
HSL	200°, 42%, 52%
HSV	200°, 55%, 72%
XYZ	23.2779, 27.4329, 49.4093
YIQ	134.4300, -51.1210, -4.1530

Conversions

Conversions Part 2

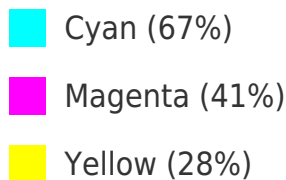
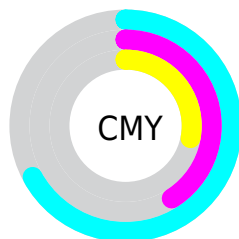
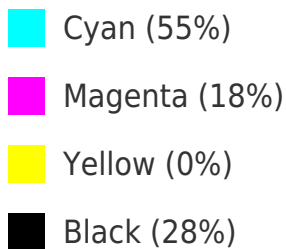
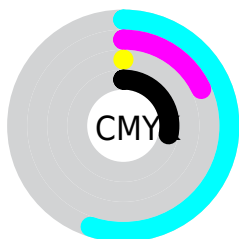
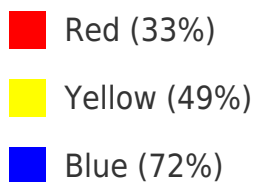
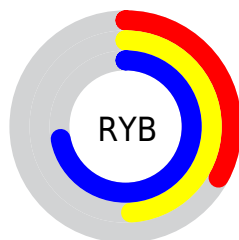
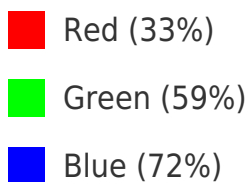
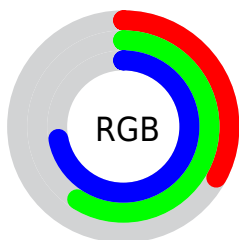
Format	Color
RYB	83, 124, 184
Decimal	5478328
CIELab	59.37, -12.06, -23.74
CIELCh	59, 26.623, 243.075
Yxy	27.4329, 0.2325, 0.2740
Android (android.graphics.Color)	4283668408 (0xFF5397B8)
YUV	134.4300, 24.4380, -45.1041
Hunter-Lab	52.3764, -12.3271, -19.2677

Details

The Yxy color `27.4329, 0.2325, 0.2740` is a dark color, and the websafe version is hex `3399CC`. A complement of this color would be `23.2736, 0.4442, 0.3752`, and the grayscale version is `23.9211, 0.3127, 0.3290`.

A 20% lighter version of the original color is `55.4429, 0.2482, 0.2854`, and `10.8546, 0.2068, 0.2536` is the 20% darker color. If you saturate the color by 10%, you get `24.8233, 0.2208, 0.2619`, and if you desaturate by 10%, it is `30.3649, 0.2456, 0.2856`.


Distribution




Brightness & Saturation Gradients


These gradients show how the Yxy color 27.4329, 0.2325, 0.2740 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 27.4329, 0.2325, 0.2740 by changing the saturation by 10% instead.

 27.4329, 0.2325,
0.2740


 27.4329, 0.2325,
0.2740


289.7471, 0.2747,
0.3042


 17.8986, 0.2214,
0.2656


 55.5778, 0.2483,
0.2856


 10.8772, 0.2069,
0.2542


 74.9571, 0.2541,
0.2898

 5.9843, 0.1871,
0.2383

 98.3869, 0.2589,
0.2933

 2.8356, 0.1593,
0.2145

 126.2516, 0.2631,
0.2962

 1.0465, 0.1169,
0.1767

158.9356, 0.2666,
0.2986

 0.0000, 0.0000,
0.0000

196.8233, 0.2697,

0.3007

240.2989, 0.2724,
0.3026

■ 27.4329, 0.2325,
0.2740

■ 27.4329, 0.2325,
0.2740

■ 24.8233, 0.2208,
0.2619

■ 30.3649, 0.2456,
0.2856

■ 22.5134, 0.2108,
0.2496

■ 33.6336, 0.2598,
0.2967

■ 20.4822, 0.2028,
0.2372

■ 37.2559, 0.2747,
0.3070


■ 18.7027, 0.1967,
0.2249


■ 41.2467, 0.2899,
0.3164


■ 17.8702, 0.1941,
0.2188

■ 45.6197, 0.3052,
0.3251

 50.3878, 0.3203,
0.3328

 55.5633, 0.3350,
0.3398

 61.1580, 0.3492,
0.3459

 67.1829, 0.3628,
0.3514

Harmonies

Analogous

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



27.4329, 0.2352, 0.3064



27.4329, 0.2325, 0.2740



27.4329, 0.2491, 0.2587

Triad

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



27.4329, 0.2325, 0.2740



27.4329, 0.3695, 0.3071



27.4329, 0.3386, 0.4086

Complementary

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



27.4329, 0.2325, 0.2740



23.2736, 0.4442, 0.3752

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.



27.4329, 0.3773, 0.4023



27.4329, 0.2325, 0.2740



27.4329, 0.3969, 0.3421

Square

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



27.4329, 0.2325, 0.2740



27.4329, 0.3267, 0.2781



27.4329, 0.3994, 0.3767



27.4329, 0.2945, 0.3891

Rectangle

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



27.4329, 0.2325, 0.2740



27.4329, 0.2698, 0.2582



27.4329, 0.3994, 0.3767



27.4329, 0.3527, 0.4092

Sweetspot

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



27.4339, 0.2325, 0.2740



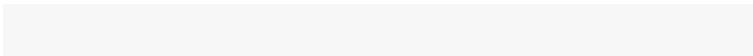
73.7819, 0.2879, 0.3152



37.3469, 0.2856, 0.4484



15.5800, 0.2848, 0.3133



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.



27.4339, 0.2325, 0.2740



44.0541, 0.2185, 0.2592



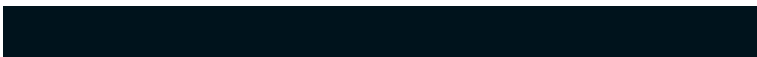
14.6868, 0.2143, 0.1862



9.7035, 0.2985, 0.3214



12.4506, 0.1945, 0.2203



0.5465, 0.2032, 0.2516

Inverse Universe

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



18.5955, 0.3627, 0.2372



28.0671, 0.3787, 0.2219



37.8874, 0.4035, 0.4386



9.1116, 0.3186, 0.3137



8.0392, 0.4229, 0.2104



0.2943, 0.3906, 0.1926

Previews

White Background



This preview shows how the Yxy color 27.4329, 0.2325, 0.2740 looks on a white background.

Color Contrast Check

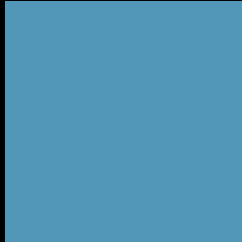
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.4329, 0.2325, 0.2740 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

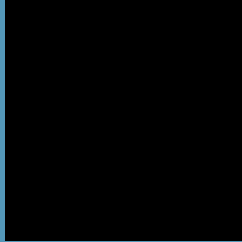
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

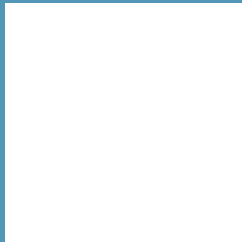
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 27.4329, 0.2325, 0.2740

Background



This preview shows how black text looks on a background with the Yxy color 27.4329, 0.2325, 0.2740.



This preview shows how white text looks on a background with the Yxy color 27.4329, 0.2325, 0.2740.

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

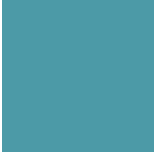
27.4329, 0.2325, 0.2740

Protanopia

27.2924, 0.2729, 0.2729

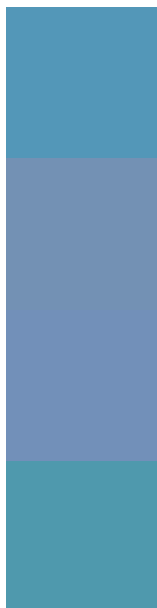
Deuteranopia

27.2069, 0.2638, 0.2586



Tritanopia
27.4377, 0.2399, 0.3060

Trichromacy



Original Color

27.4329, 0.2325, 0.2740

Protanomaly

27.1909, 0.2551, 0.2727

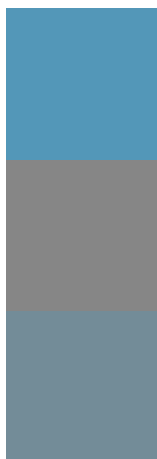
Deuteranomaly

27.0267, 0.2505, 0.2638

Tritanomaly

27.4619, 0.2375, 0.2944

Monochromacy



Original Color

27.4329, 0.2325, 0.2740

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

24.6680, 0.2762, 0.3080

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.4329, 0.2325, 0.2740 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(83, 151, 184) looks like.

```
.text, #text, p{  
    color:rgb(83, 151, 184)  
}
```

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(83, 151, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 151, 184) }
```

Border

The CSS property to change the border of an element to Yxy 27.4329, 0.2325, 0.2740 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(83, 151, 184) }
```

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

```
.border{ border-color:rgb(83, 151, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 151, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 151, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 151, 184);  
box-shadow:4px 4px 4px 4px rgb(83, 151,  
184) }
```


Background

The CSS property to change the background color of an element to Yxy 27.4329, 0.2325, 0.2740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 151, 184) }
```

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

```
.background{ background-color: rgb(83, 151,  
184) }
```

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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