

Converting Colors

$Y_{xy}(27.7083, 0.2173, 0.2635)$

Have a look what the booklet for
Yxy(27.7083, 0.2173, 0.2635)
contains.

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Color

Yxy(27.8610, 0.2175, 0.2643)

Conversions

Conversions Part 1

Format	Color
Hex	3A9AC1
RGB	58, 154, 193
RGB Percent	23%, 60%, 76%
CMY	0.7724, 0.3961, 0.2431
CMYK	0.70, 0.20, 0.00, 0.24
HSL	197°, 54%, 49%
HSV	197°, 70%, 76%
XYZ	22.9276, 27.8610, 54.6257
YIQ	129.7420, -69.7350, -8.2230

Conversions

Conversions Part 2

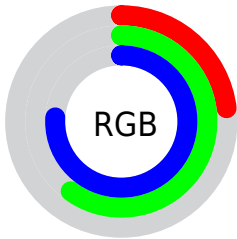
Format	Color
R_{YB}	58, 114, 193
Decimal	3840705
CIE _{Lab}	59.76, -15.31, -28.29
CIE _{LCh}	60, 32.172, 241.575
Yxy	27.8610, 0.2175, 0.2643
Android (android.graphics.Color)	4282030785 (0xFF3A9AC1)
YUV	129.7420, 31.1862, -62.9177
Hunter-Lab	52.7835, -14.8360, -24.4108

Details

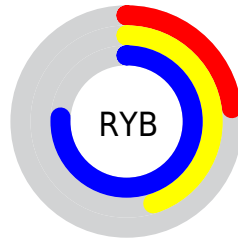
The Yxy color **27.8610, 0.2175, 0.2643** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle muted azure. A complement of this color would be **20.2003, 0.5033, 0.3760**, and the grayscale version is **22.1367, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.0788, 0.2355, 0.2769**, and **11.5646, 0.2014, 0.2448** is the 20% darker color. If you saturate the color by 10%, you get **25.5890, 0.2090, 0.2534**, and if you desaturate by 10%, it is **30.4374, 0.2278, 0.2751**.

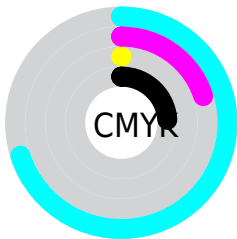
Distribution



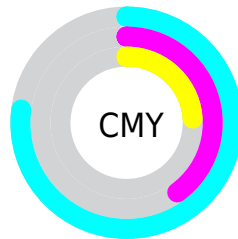
- Red (23%)
- Green (60%)
- Blue (76%)



- Red (23%)
- Yellow (45%)
- Blue (76%)



- Cyan (70%)
- Magenta (20%)
- Yellow (0%)
- Black (24%)



- Cyan (77%)
- Magenta (40%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.8610, 0.2175, 0.2643 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 27.8610, 0.2175, 0.2643 by changing the saturation by 10% instead.

■ 27.8610, 0.2175,
0.2643

■ 27.8610, 0.2175,
0.2643

■ 291.8021, 0.2670,
0.2998

■ 18.2209, 0.2048,
0.2545

■ 56.2624, 0.2358,
0.2779

■ 11.1087, 0.1884,
0.2415

■ 75.7926, 0.2426,
0.2828

■ 6.1400, 0.1666,
0.2234

■ 99.3882, 0.2483,
0.2868

■ 2.9304, 0.1368,
0.1970

■ 127.4337, 0.2532,
0.2903

■ 1.0955, 0.0936,
0.1569

■ 160.3134, 0.2573,
0.2932

■ 0.0000, 0.0000,
0.0000

198.4118, 0.2610,

0.2957

242.1132, 0.2642,
0.2978

■ 27.8610, 0.2175,
0.2643

■ 27.8610, 0.2175,
0.2643

■ 25.5890, 0.2090,
0.2534

■ 30.4374, 0.2278,
0.2751

■ 23.5914, 0.2026,
0.2425

■ 33.3379, 0.2398,
0.2855

■ 21.8185, 0.1977,
0.2318

■ 36.5838, 0.2531,
0.2955

■ 21.8074, 0.1977,
0.2318

■ 40.1933, 0.2674,
0.3050

■ 44.1831, 0.2823,
0.3137

■ 48.5689, 0.2975,
0.3218

■ 53.3650, 0.3128,
0.3290

■ 58.5853, 0.3279,
0.3356

■ 64.2428, 0.3426,
0.3414

Harmonies

Analogous

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



27.8610, 0.2216, 0.3033



27.8610, 0.2175, 0.2643



27.8610, 0.2357, 0.2460

Triad

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



27.8610, 0.2175, 0.2643



27.8610, 0.3787, 0.3006



27.8610, 0.3453, 0.4259

Complementary

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



27.8610, 0.2175, 0.2643



20.2003, 0.5033, 0.3760

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.



27.8610, 0.3913, 0.4151



27.8610, 0.2175, 0.2643



27.8610, 0.4131, 0.3413

Square

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



27.8610, 0.2175, 0.2643



27.8610, 0.3263, 0.2675



27.8610, 0.4172, 0.3825



27.8610, 0.2928, 0.4043

Rectangle

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



27.8610, 0.2175, 0.2643



27.8610, 0.2593, 0.2452



27.8610, 0.4172, 0.3825



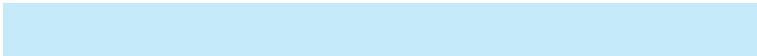
27.8610, 0.3621, 0.4256

Sweetspot

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



27.8620, 0.2175, 0.2643



78.0875, 0.2802, 0.3126



39.8935, 0.2851, 0.4958



16.3168, 0.2760, 0.3102



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



27.8620, 0.2175, 0.2643



43.8433, 0.2053, 0.2475



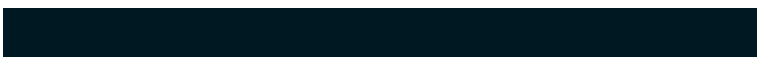
11.6116, 0.1890, 0.1482



10.9207, 0.2984, 0.3222



14.6459, 0.1981, 0.2331



0.7463, 0.2047, 0.2571

Inverse Universe

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



16.7004, 0.3748, 0.2133



25.5064, 0.3934, 0.2033



38.1102, 0.4307, 0.4560



10.1963, 0.3181, 0.3128



8.7607, 0.4094, 0.2029



0.3900, 0.3853, 0.1896

Previews

White Background



This preview shows how the Yxy color 27.8610, 0.2175, 0.2643 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 27.8610, 0.2175, 0.2643 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

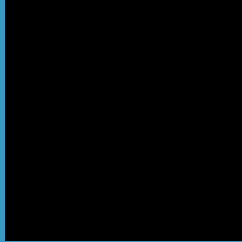
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.8610, 0.2175, 0.2643

Background



This preview shows how black text looks on a background with the Yxy color 27.8610, 0.2175, 0.2643.



This preview shows how white text looks on a background with the Yxy color 27.8610, 0.2175, 0.2643.

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

27.8610, 0.2175, 0.2643

Protanopia

27.4160, 0.2655, 0.2629

Deuteranopia

27.5473, 0.2525, 0.2463



Tritanopia

27.9076, 0.2253, 0.3056

Trichromacy



Original Color

27.8610, 0.2175, 0.2643

Protanomaly

27.1489, 0.2431, 0.2632

Deuteranomaly

27.3227, 0.2361, 0.2519

Tritanomaly

27.9970, 0.2223, 0.2906

Monochromacy



Original Color

27.8610, 0.2175, 0.2643

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

23.7082, 0.2652, 0.3039

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.8610, 0.2175, 0.2643 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(58, 154, 193)` looks like.

```
.text, #text, p{  
    color:rgb(58, 154, 193)  
}
```

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(58, 154, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 154, 193) }
```

Border

The CSS property to change the border of an element to Yxy 27.8610, 0.2175, 0.2643 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(58, 154, 193) }
```

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

```
.border{ border-color:rgb(58, 154, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 154, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 154, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 154, 193);  
box-shadow:4px 4px 4px 4px rgb(58, 154,  
193) }
```


Background

The CSS property to change the background color of an element to Yxy 27.8610, 0.2175, 0.2643 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 154, 193) }
```

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

```
.background{ background-color: rgb(58, 154,  
193) }
```

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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