

Converting Colors

$Y_{xy}(29.3442, 0.2216, 0.2698)$

Have a look what the booklet for
Yxy(29.3442, 0.2216, 0.2698)
contains.

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Color

$Y_{xy}(29.5070, 0.2218, 0.2703)$

Conversions

Conversions Part 1

Format	Color
Hex	429EC2
RGB	66, 158, 194
RGB Percent	26%, 62%, 76%
CMY	0.7409, 0.3804, 0.2393
CMYK	0.66, 0.19, 0.00, 0.24
HSL	197°, 51%, 51%
HSV	197°, 66%, 76%
XYZ	24.2126, 29.5070, 55.4443
YIQ	134.5960, -66.3880, -8.3080

Conversions

Conversions Part 2

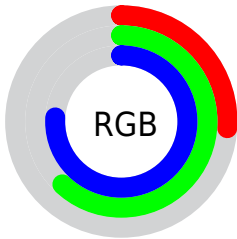
Format	Color
R _Y B	66, 120, 194
Decimal	4366018
CIE Lab	61.23, -15.91, -26.56
CIE LCh	61, 30.962, 239.072
Yxy	29.5070, 0.2218, 0.2703
Android (android.graphics.Color)	4282556098 (0xFF429EC2)
YUV	134.5960, 29.2862, -60.1587
Hunter-Lab	54.3203, -15.4967, -22.4926




Details

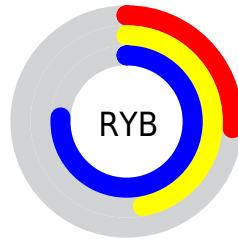
The Yxy color **29.5070, 0.2218, 0.2703** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle muted azure. A complement of this color would be **21.3742, 0.4895, 0.3738**, and the grayscale version is **23.9867, 0.3127, 0.3290**.




A 20% lighter version of the original color is **59.0656, 0.2390, 0.2825**, and **12.4088, 0.2036, 0.2528** is the 20% darker color. If you saturate the color by 10%, you get **27.1235, 0.2127, 0.2597**, and if you desaturate by 10%, it is **32.2038, 0.2327, 0.2807**.

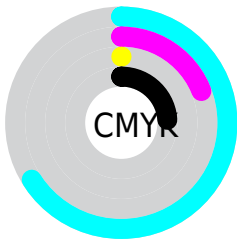
Distribution







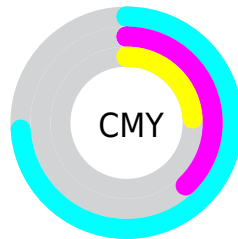
-  Red (26%)
-  Green (62%)
-  Blue (76%)






-  Red (26%)
-  Yellow (47%)
-  Blue (76%)



-  Cyan (66%)
-  Magenta (19%)
-  Yellow (0%)
-  Black (24%)



-  Cyan (74%)
-  Magenta (38%)
-  Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.5070, 0.2218, 0.2703 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 29.5070, 0.2218, 0.2703 by changing the saturation by 10% instead.

■ 29.5070, 0.2218,
0.2703

■ 29.5070, 0.2218,
0.2703

■ 299.5997, 0.2688,
0.3024

■ 19.4647, 0.2098,
0.2615

■ 58.8816, 0.2391,
0.2826

■ 12.0065, 0.1943,
0.2497

■ 78.9828, 0.2456,
0.2870

■ 6.7481, 0.1738,
0.2334

■ 103.2056, 0.2510,
0.2907

■ 3.3051, 0.1456,
0.2096

■ 131.9346, 0.2556,
0.2937

■ 1.2930, 0.1058,
0.1726

■ 165.5541, 0.2596,
0.2964

■ 0.1358, 0.0000,
0.0530

204.4485, 0.2630,

■ 0.0000, 0.0000,

0.2987

0.0000

249.0022, 0.2661,
0.3006

■ 29.5070, 0.2218,
0.2703

■ 29.5070, 0.2218,
0.2703

■ 27.1235, 0.2127,
0.2597

■ 32.2038, 0.2327,
0.2807

■ 25.0248, 0.2055,
0.2492

■ 35.2326, 0.2452,
0.2907

■ 23.1805, 0.2003,
0.2387

■ 38.6138, 0.2588,
0.3002

■ 22.4785, 0.1985,
0.2345

■ 42.3653, 0.2733,
0.3091

■ 46.5033, 0.2884,
0.3173

■ 51.0431, 0.3037,
0.3249

■ 55.9990, 0.3189,
0.3317

■ 61.3845, 0.3339,
0.3378

■ 67.2124, 0.3484,
0.3432

Harmonies

Analogous

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



29.5070, 0.2276, 0.3088



29.5070, 0.2218, 0.2703



29.5070, 0.2375, 0.2510

Triad

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



29.5070, 0.2218, 0.2703



29.5070, 0.3713, 0.2992



29.5070, 0.3479, 0.4205

Complementary

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



29.5070, 0.2218, 0.2703



21.3742, 0.4895, 0.3738

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.



29.5070, 0.3902, 0.4087



29.5070, 0.2218, 0.2703



29.5070, 0.4058, 0.3377

Square

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



29.5070, 0.2218, 0.2703



29.5070, 0.3213, 0.2685



29.5070, 0.4123, 0.3771



29.5070, 0.2982, 0.4026

Rectangle

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



29.5070, 0.2218, 0.2703



29.5070, 0.2589, 0.2490



29.5070, 0.4123, 0.3771



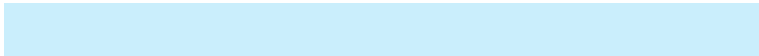
29.5070, 0.3635, 0.4195

Sweetspot

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



29.5081, 0.2218, 0.2703



80.9008, 0.2818, 0.3138



40.6581, 0.2866, 0.4887



17.2493, 0.2774, 0.3114



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.



29.5081, 0.2218, 0.2703



47.4512, 0.2093, 0.2552



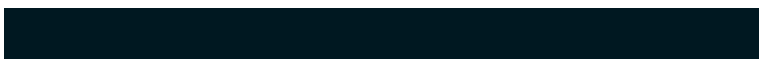
13.4060, 0.1963, 0.1628



10.9340, 0.2984, 0.3224



14.9272, 0.1989, 0.2359



0.7567, 0.2053, 0.2591

Inverse Universe

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



17.8402, 0.3685, 0.2165



27.3285, 0.3852, 0.2041



38.4594, 0.4265, 0.4490



10.1976, 0.3180, 0.3126



8.7891, 0.4065, 0.2013



0.3910, 0.3833, 0.1885

Previews

White Background



This preview shows how the Yxy color 29.5070, 0.2218, 0.2703 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 29.5070, 0.2218, 0.2703 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

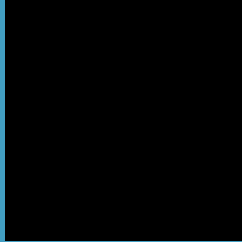
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.5070, 0.2218, 0.2703

Background



This preview shows how black text looks on a background with the Yxy color 29.5070, 0.2218, 0.2703.

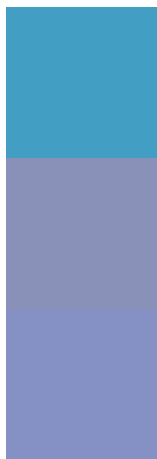


This preview shows how white text looks on a background with the Yxy color 29.5070, 0.2218, 0.2703.

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

29.5070, 0.2218, 0.2703

Protanopia

29.0719, 0.2698, 0.2686

Deuteranopia

29.2686, 0.2575, 0.2522



Tritanopia

29.3580, 0.2291, 0.3062

Trichromacy



Original Color

29.5070, 0.2218, 0.2703

Protanomaly

28.8230, 0.2478, 0.2691

Deuteranomaly

29.0494, 0.2413, 0.2579

Tritanomaly

29.4076, 0.2264, 0.2931

Monochromacy



Original Color

29.5070, 0.2218, 0.2703

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

25.3602, 0.2688, 0.3063

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.5070, 0.2218, 0.2703 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(66, 158, 194)` looks like.

```
.text, #text, p{  
    color:rgb(66, 158, 194)  
}
```

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(66, 158, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 158, 194) }
```

Border

The CSS property to change the border of an element to Yxy 29.5070, 0.2218, 0.2703 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(66, 158, 194) }
```

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

```
.border{ border-color:rgb(66, 158, 194) }
```

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

Here you see how a box with a 4 pixel rgb(66, 158, 194) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 158, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 158, 194);  
box-shadow:4px 4px 4px 4px rgb(66, 158,  
194) }
```


Background

The CSS property to change the background color of an element to Yxy 29.5070, 0.2218, 0.2703 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 158, 194) }
```

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

```
.background{ background-color: rgb(66, 158,  
194) }
```

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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