

Converting Colors

$Yxy(28.8129, 0.2341, 0.3075)$

Have a look what the booklet for
Yxy(28.8129, 0.2341, 0.3075)
contains.

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Color

Yxy(28.8948, 0.2344, 0.3079)

Conversions

Conversions Part 1

Format	Color
Hex	429FAB
RGB	66, 159, 171
RGB Percent	26%, 62%, 67%
CMY	0.7411, 0.3765, 0.3294
CMYK	0.61, 0.07, 0.00, 0.33
HSL	187°, 44%, 46%
HSV	187°, 61%, 67%
XYZ	21.9972, 28.8948, 42.9527
YIQ	132.5610, -59.2800, -15.9840

Conversions

Conversions Part 2

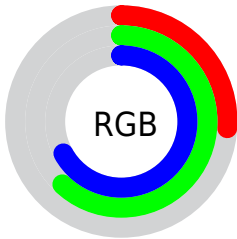
Format	Color
RYB	66, 115, 171
Decimal	4366251
CIELab	60.69, -23.57, -14.46
CIELCh	61, 27.654, 211.524
Yxy	28.8948, 0.2344, 0.3079
Android (android.graphics.Color)	4282556331 (0xFF429FAB)
YUV	132.5610, 18.9504, -58.3740
Hunter-Lab	53.7539, -21.0234, -9.7487




Details

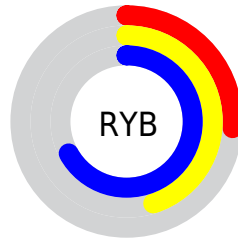
The Yxy color **28.8948, 0.2344, 0.3079** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **14.5065, 0.4896, 0.3463**, and the grayscale version is **23.2361, 0.3127, 0.3290**.




A 20% lighter version of the original color is **57.9441, 0.2501, 0.3134**, and **11.8473, 0.2162, 0.2983** is the 20% darker color. If you saturate the color by 10%, you get **27.7202, 0.2268, 0.3040**, and if you desaturate by 10%, it is **30.2598, 0.2439, 0.3118**.

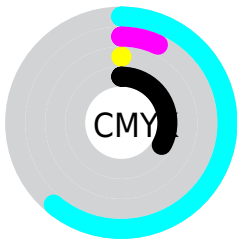
Distribution







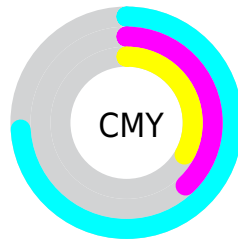
-  Red (26%)
-  Green (62%)
-  Blue (67%)






-  Red (26%)
-  Yellow (45%)
-  Blue (67%)



-  Cyan (61%)
-  Magenta (7%)
-  Yellow (0%)
-  Black (33%)





-  Cyan (74%)
-  Magenta (38%)
-  Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.8948, 0.2344, 0.3079 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 28.8948, 0.2344, 0.3079 by changing the saturation by 10% instead.


 28.8948, 0.2344,
0.3079


 28.8948, 0.2344,
0.3079


296.7183, 0.2755,
0.3204


 19.0013, 0.2236,
0.3041


 57.9099, 0.2498,
0.3129

 11.6712, 0.2094,
0.2987


 77.8002, 0.2554,
0.3147

 6.5202, 0.1901,
0.2906


 101.7916, 0.2601,
0.3161

 3.1639, 0.1625,
0.2774

 130.2685, 0.2641,
0.3172

 1.2179, 0.1150,
0.2549

 163.6152, 0.2676,
0.3182

 0.0762, 0.0000,
0.0648

202.2161, 0.2706,

 0.0000, 0.0000,

0.3190

0.0000

246.4557, 0.2732,
0.3197

■ 28.8948, 0.2344,
0.3079

■ 28.8948, 0.2344,
0.3079

■ 27.7202, 0.2268,
0.3040

■ 30.2598, 0.2439,
0.3118

■ 26.7163, 0.2210,
0.3000

■ 31.8265, 0.2549,
0.3155

■ 25.8647, 0.2170,
0.2961

■ 33.6086, 0.2674,
0.3191

■ 25.2177, 0.2147,
0.2928

■ 35.6183, 0.2811,
0.3225

■ 37.8662, 0.2955,
0.3257

■ 40.3627, 0.3106,
0.3286

■ 43.1174, 0.3259,
0.3313

■ 46.1392, 0.3413,
0.3336

■ 49.4369, 0.3565,
0.3358

Harmonies

Analogous

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



28.8948, 0.2577, 0.3523



28.8948, 0.2344, 0.3079



28.8948, 0.2306, 0.2741

Triad

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



28.8948, 0.2344, 0.3079



28.8948, 0.3245, 0.2759



28.8948, 0.3803, 0.4028

Complementary

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



28.8948, 0.2344, 0.3079



14.5065, 0.4896, 0.3463

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.



28.8948, 0.4017, 0.3758



28.8948, 0.2344, 0.3079



28.8948, 0.3687, 0.3049

Square

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



28.8948, 0.2344, 0.3079



28.8948, 0.2798, 0.2589



28.8948, 0.3978, 0.3404



28.8948, 0.3413, 0.4106

Rectangle

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



28.8948, 0.2344, 0.3079



28.8948, 0.2391, 0.2611



28.8948, 0.3978, 0.3404



28.8948, 0.3899, 0.3954

Sweetspot

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



28.8959, 0.2344, 0.3079



64.9713, 0.2854, 0.3235



30.8192, 0.2979, 0.5062



14.2430, 0.2814, 0.3226



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



28.8959, 0.2344, 0.3079



48.8981, 0.2243, 0.3024



14.8282, 0.2126, 0.2106



8.9132, 0.2986, 0.3263



19.0557, 0.2148, 0.2931



0.5735, 0.2180, 0.3049

Inverse Universe

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



15.0612, 0.3358, 0.2023



22.8148, 0.3419, 0.1842



24.7578, 0.4346, 0.4198



8.1321, 0.3154, 0.3092



8.2267, 0.3515, 0.1710



0.2332, 0.3411, 0.1653

Previews

White Background



This preview shows how the Yxy color 28.8948, 0.2344, 0.3079 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 28.8948, 0.2344, 0.3079 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

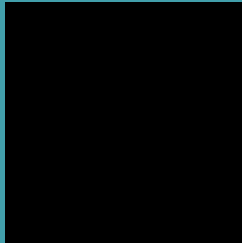
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.8948, 0.2344, 0.3079

Background



This preview shows how black text looks on a background with the Yxy color 28.8948, 0.2344, 0.3079.

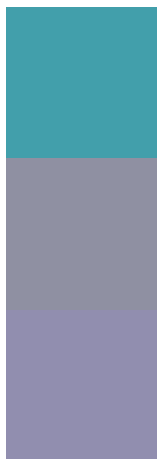


This preview shows how white text looks on a background with the Yxy color 28.8948, 0.2344, 0.3079.

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

28.8948, 0.2344, 0.3079

Protanopia

28.3948, 0.2947, 0.3007

Deuteranopia

28.4609, 0.2850, 0.2788



Tritanopia

28.9331, 0.2338, 0.3063

Trichromacy



Original Color

28.8948, 0.2344, 0.3079

Protanomaly

27.8563, 0.2671, 0.3023

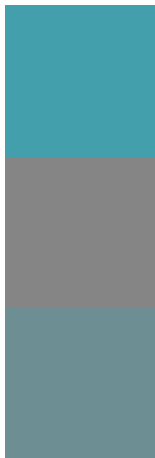
Deuteranomaly

27.9488, 0.2609, 0.2867

Tritanomaly

28.9331, 0.2338, 0.3063

Monochromacy



Original Color

28.8948, 0.2344, 0.3079

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

24.7038, 0.2752, 0.3200

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.8948, 0.2344, 0.3079 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, 159, 171)` looks like.

```
.text, #text, p{  
  color:rgb(66, 159, 171)  
}
```

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, 159, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 159, 171) }
```

Border

The CSS property to change the border of an element to Yxy 28.8948, 0.2344, 0.3079 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, 159, 171) }
```

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

```
.border{ border-color:rgb(66, 159, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 159, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 159, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 159, 171);  
box-shadow:4px 4px 4px 4px rgb(66, 159,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 28.8948, 0.2344, 0.3079 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 159, 171) }
```

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

```
.background{ background-color: rgb(66, 159,  
171) }
```

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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