

Converting Colors

$Y_{xy}(28.8128, 0.2331, 0.2976)$

Have a look what the booklet for
Yxy(28.8128, 0.2331, 0.2976)
contains.

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Color

Yxy(28.8904, 0.2330, 0.2980)

Conversions

Conversions Part 1

Format	Color
Hex	469EB0
RGB	70, 158, 176
RGB Percent	27%, 62%, 69%
CMY	0.7256, 0.3804, 0.3097
CMYK	0.60, 0.10, 0.00, 0.31
HSL	190°, 43%, 48%
HSV	190°, 60%, 69%
XYZ	22.5888, 28.8904, 45.4684
YIQ	133.7400, -58.2260, -13.0580

Conversions

Conversions Part 2

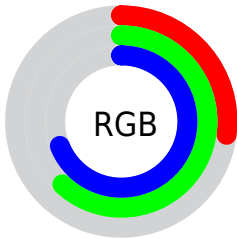
Format	Color
RYB	70, 118, 176
Decimal	4628144
CIELab	60.68, -20.83, -17.28
CIElCh	61, 27.060, 219.673
Yxy	28.8904, 0.2330, 0.2980
Android (android.graphics.Color)	4282818224 (0xFF469EB0)
YUV	133.7400, 20.8342, -55.9000
Hunter-Lab	53.7498, -19.0460, -12.5302

Details

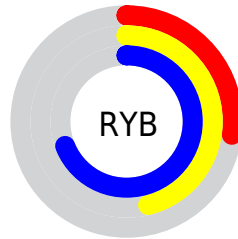
The Yxy color **28.8904, 0.2330, 0.2980** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **16.6516, 0.4790, 0.3545**, and the grayscale version is **23.6765, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.0039, 0.2483, 0.3048**, and **11.7381, 0.2128, 0.2862** is the 20% darker color. If you saturate the color by 10%, you get **27.3226, 0.2244, 0.2920**, and if you desaturate by 10%, it is **30.6770, 0.2433, 0.3039**.

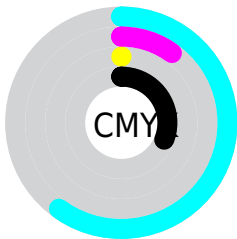
Distribution



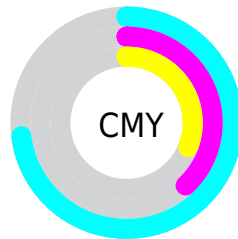
- Red (27%)
- Green (62%)
- Blue (69%)



- Red (27%)
- Yellow (46%)
- Blue (69%)



- Cyan (60%)
- Magenta (10%)
- Yellow (0%)
- Black (31%)



- Cyan (73%)
- Magenta (38%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.8904, 0.2330, 0.2980 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 28.8904, 0.2330, 0.2980 by changing the saturation by 10% instead.


 28.8904, 0.2330,
0.2980


 28.8904, 0.2330,
0.2980


296.6975, 0.2747,
0.3157


 18.9979, 0.2221,
0.2928


 57.9029, 0.2486,
0.3050

 11.6688, 0.2078,
0.2856


 77.7917, 0.2543,
0.3075

 6.5186, 0.1883,
0.2750


 101.7815, 0.2591,
0.3095

 3.1629, 0.1608,
0.2585

 130.2565, 0.2632,
0.3111

 1.2174, 0.1166,
0.2304

 163.6012, 0.2667,
0.3126

 0.0758, 0.0000,
0.0540

202.2000, 0.2697,

 0.0000, 0.0000,

0.3138

0.0000

246.4373, 0.2724,
0.3148

■ 28.8904, 0.2330,
0.2980

■ 28.8904, 0.2330,
0.2980

■ 27.3226, 0.2244,
0.2920

■ 30.6770, 0.2433,
0.3039

■ 25.9528, 0.2177,
0.2860

■ 32.6945, 0.2552,
0.3095

■ 24.7616, 0.2128,
0.2799

■ 34.9579, 0.2684,
0.3149

■ 23.7291, 0.2095,
0.2741

■ 37.4799, 0.2824,
0.3200

■ 40.2722, 0.2972,
0.3246

■ 43.3458, 0.3123,
0.3289

■ 46.7111, 0.3276,
0.3328

■ 50.3778, 0.3427,
0.3362

■ 54.3552, 0.3576,
0.3393

Harmonies

Analogous

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



28.8904, 0.2509, 0.3397



28.8904, 0.2330, 0.2980



28.8904, 0.2346, 0.2691

Triad

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



28.8904, 0.2330, 0.2980



28.8904, 0.3367, 0.2837



28.8904, 0.3698, 0.4056

Complementary

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



28.8904, 0.2330, 0.2980



16.6516, 0.4790, 0.3545

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.



28.8904, 0.3964, 0.3834



28.8904, 0.2330, 0.2980



28.8904, 0.3773, 0.3145

Square

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



28.8904, 0.2330, 0.2980



28.8904, 0.2917, 0.2634



28.8904, 0.3996, 0.3500



28.8904, 0.3289, 0.4065

Rectangle

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



28.8904, 0.2330, 0.2980



28.8904, 0.2464, 0.2596



28.8904, 0.3996, 0.3500



28.8904, 0.3808, 0.4001

Sweetspot

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



28.8915, 0.2330, 0.2980



68.9000, 0.2853, 0.3209



33.0573, 0.2940, 0.4908



14.6327, 0.2811, 0.3195



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



28.8915, 0.2330, 0.2980



48.7582, 0.2222, 0.2902



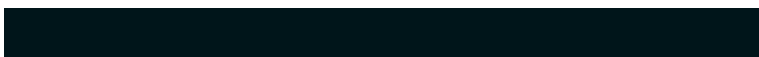
14.6055, 0.2112, 0.1997



9.3810, 0.2986, 0.3250



17.4812, 0.2097, 0.2747



0.6149, 0.2143, 0.2914

Inverse Universe

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



16.0781, 0.3438, 0.2104



24.6739, 0.3522, 0.1935



28.6266, 0.4257, 0.4277



8.6214, 0.3163, 0.3103



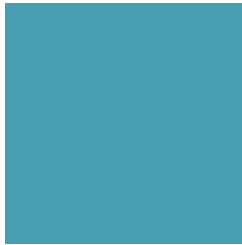
8.3049, 0.3684, 0.1803



0.2679, 0.3531, 0.1719

Previews

White Background



This preview shows how the Yxy color 28.8904, 0.2330, 0.2980 looks on a white background.

Color Contrast Check

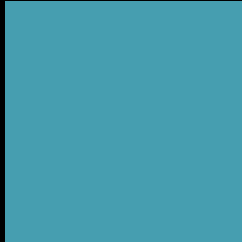
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.8904, 0.2330, 0.2980 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

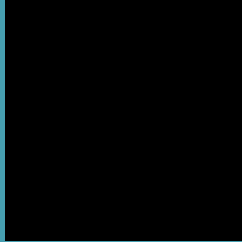
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.8904, 0.2330, 0.2980

Background



This preview shows how black text looks on a background with the Yxy color 28.8904, 0.2330, 0.2980.

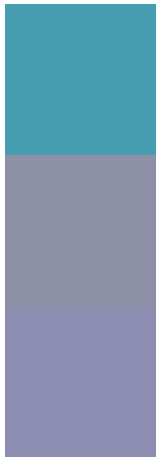


This preview shows how white text looks on a background with the Yxy color 28.8904, 0.2330, 0.2980.

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

28.8904, 0.2330, 0.2980

Protanopia

28.4873, 0.2892, 0.2932

Deuteranopia

28.3515, 0.2788, 0.2728



Tritanopia

29.0038, 0.2348, 0.3063

Trichromacy



Original Color

28.8904, 0.2330, 0.2980

Protanomaly

28.1102, 0.2641, 0.2945

Deuteranomaly

28.1072, 0.2580, 0.2807

Tritanomaly

29.0786, 0.2346, 0.3047

Monochromacy



Original Color

28.8904, 0.2330, 0.2980

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

25.1944, 0.2755, 0.3183

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.8904, 0.2330, 0.2980 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(70, 158, 176)` looks like.

```
.text, #text, p{  
    color:rgb(70, 158, 176)  
}
```

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(70, 158, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 158, 176) }
```

Border

The CSS property to change the border of an element to Yxy 28.8904, 0.2330, 0.2980 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(70, 158, 176) }
```

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

```
.border{ border-color:rgb(70, 158, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 158, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 158, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 158, 176);  
box-shadow:4px 4px 4px 4px rgb(70, 158,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 28.8904, 0.2330, 0.2980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 158, 176) }
```

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

```
.background{ background-color: rgb(70, 158,  
176) }
```

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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