

Converting Colors

$Yxy(28.5295, 0.2312, 0.2974)$

Have a look what the booklet for
Yxy(28.5295, 0.2312, 0.2974)
contains.

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Color

$\text{Yxy}(28.4068, 0.2308, 0.2961)$

Conversions

Conversions Part 1

Format	Color
Hex	429DB0
RGB	66, 157, 176
RGB Percent	26%, 62%, 69%
CMY	0.7410, 0.3843, 0.3098
CMYK	0.62, 0.11, 0.00, 0.31
HSL	190°, 45%, 47%
HSV	190°, 62%, 69%
XYZ	22.1421, 28.4068, 45.3876
YIQ	131.9570, -60.3350, -13.3830

Conversions

Conversions Part 2

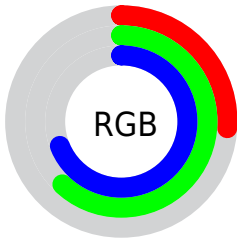
Format	Color
R_{YB}	66, 116, 176
Decimal	4365744
CIE _{Lab}	60.25, -21.03, -17.93
CIE _{LCh}	60, 27.634, 220.450
Yxy	28.4068, 0.2308, 0.2961
Android (android.graphics.Color)	4282555824 (0xFF429DB0)
YUV	131.9570, 21.7132, -57.8443
Hunter-Lab	53.2980, -19.1155, -13.1816

Details

The Yxy color **28.4068, 0.2308, 0.2961** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **16.1285, 0.4879, 0.3554**, and the grayscale version is **22.9999, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.2731, 0.2467, 0.3034**, and **11.5332, 0.2121, 0.2836** is the 20% darker color. If you saturate the color by 10%, you get **26.8709, 0.2226, 0.2900**, and if you desaturate by 10%, it is **30.1585, 0.2408, 0.3021**.

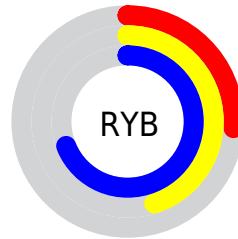
Distribution



Red (26%)

Green (62%)

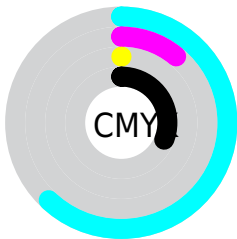
Blue (69%)



Red (26%)

Yellow (45%)

Blue (69%)

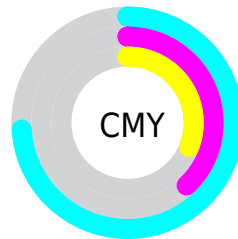


Cyan (62%)

Magenta (11%)

Yellow (0%)

Black (31%)



Cyan (74%)

Magenta (38%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.4068, 0.2308, 0.2961 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 28.4068, 0.2308, 0.2961 by changing the saturation by 10% instead.

■ 28.4068, 0.2308,
0.2961

■ 28.4068, 0.2308,
0.2961

■ 294.4057, 0.2737,
0.3149

■ 18.6325, 0.2195,
0.2905

■ 57.1333, 0.2468,
0.3035

■ 11.4051, 0.2048,
0.2829

■ 76.8543, 0.2527,
0.3062

■ 6.3400, 0.1848,
0.2717

■ 100.6596, 0.2577,
0.3083

■ 3.0529, 0.1565,
0.2541

■ 128.9337, 0.2618,
0.3101

■ 1.1594, 0.1096,
0.2247

■ 162.0610, 0.2654,
0.3116

■ 0.0282, 0.0000,
0.0209

200.4258, 0.2686,

■ 0.0000, 0.0000,

0.3128

0.0000

244.4126, 0.2713,
0.3140

■ 28.4068, 0.2308,
0.2961

■ 28.4068, 0.2308,
0.2961

■ 26.8709, 0.2226,
0.2900

■ 30.1585, 0.2408,
0.3021

■ 25.5297, 0.2162,
0.2838

■ 32.1386, 0.2524,
0.3079

■ 24.3625, 0.2117,
0.2777

■ 34.3625, 0.2653,
0.3135

■ 23.5644, 0.2092,
0.2731

■ 36.8430, 0.2792,
0.3187

■ 39.5921, 0.2939,
0.3235

■ 42.6209, 0.3090,
0.3280

■ 45.9399, 0.3242,
0.3320

■ 49.5590, 0.3394,
0.3356

■ 53.4876, 0.3543,
0.3388

Harmonies

Analogous

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



28.4068, 0.2485, 0.3388



28.4068, 0.2308, 0.2961



28.4068, 0.2330, 0.2670

Triad

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



28.4068, 0.2308, 0.2961



28.4068, 0.3385, 0.2833



28.4068, 0.3703, 0.4080

Complementary

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



28.4068, 0.2308, 0.2961



16.1285, 0.4879, 0.3554

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.



28.4068, 0.3981, 0.3854



28.4068, 0.2308, 0.2961



28.4068, 0.3799, 0.3149

Square

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



28.4068, 0.2308, 0.2961



28.4068, 0.2923, 0.2622



28.4068, 0.4022, 0.3513



28.4068, 0.3280, 0.4084

Rectangle

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



28.4068, 0.2308, 0.2961



28.4068, 0.2453, 0.2576



28.4068, 0.4022, 0.3513



28.4068, 0.3817, 0.4024

Sweetspot

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



28.4079, 0.2308, 0.2961



68.3352, 0.2838, 0.3203



32.8551, 0.2937, 0.4976



14.5171, 0.2797, 0.3189



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.



28.4079, 0.2308, 0.2961



47.7625, 0.2199, 0.2876



13.9355, 0.2076, 0.1940



9.3767, 0.2986, 0.3250



17.3659, 0.2094, 0.2737



0.6121, 0.2141, 0.2907

Inverse Universe

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



15.5665, 0.3457, 0.2074



23.8627, 0.3549, 0.1909



28.1898, 0.4302, 0.4305



8.6210, 0.3163, 0.3104



8.2932, 0.3693, 0.1808



0.2676, 0.3537, 0.1722

Previews

White Background



This preview shows how the Yxy color 28.4068, 0.2308, 0.2961 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 28.4068, 0.2308, 0.2961 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

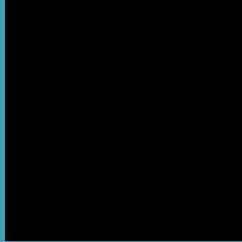
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.4068, 0.2308, 0.2961

Background



This preview shows how black text looks on a background with the Yxy color 28.4068, 0.2308, 0.2961.



This preview shows how white text looks on a background with the Yxy color 28.4068, 0.2308, 0.2961.

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

28.4068, 0.2308, 0.2961

Protanopia

28.0104, 0.2872, 0.2914

Deuteranopia

27.8799, 0.2768, 0.2710



Tritanopia

28.4840, 0.2331, 0.3061

Trichromacy



Original Color

28.4068, 0.2308, 0.2961

Protanomaly

27.5928, 0.2614, 0.2926

Deuteranomaly

27.5925, 0.2554, 0.2788

Tritanomaly

28.5947, 0.2324, 0.3028

Monochromacy



Original Color

28.4068, 0.2308, 0.2961

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

24.3760, 0.2733, 0.3164

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.4068, 0.2308, 0.2961 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, 157, 176)` looks like.

```
.text, #text, p{  
    color:rgb(66, 157, 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(66, 157, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 157, 176) }
```

Border

The CSS property to change the border of an element to Yxy 28.4068, 0.2308, 0.2961 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, 157, 176) }
```

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

```
.border{ border-color:rgb(66, 157, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 157, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 157, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 157, 176);  
box-shadow:4px 4px 4px 4px rgb(66, 157,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 28.4068, 0.2308, 0.2961 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 157, 176) }
```

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

```
.background{ background-color: rgb(66, 157,  
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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