

Converting Colors

$Y_{xy}(28.2323, 0.2237, 0.3084)$

Have a look what the booklet for
Yxy(28.2323, 0.2237, 0.3084)
contains.

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Color

$Y_{xy}(28.0766, 0.2234, 0.3073)$

Conversions

Conversions Part 1

Format	Color
Hex	229FAB
RGB	34, 159, 171
RGB Percent	13%, 62%, 67%
CMY	0.8664, 0.3765, 0.3294
CMYK	0.80, 0.07, 0.00, 0.33
HSL	185°, 67%, 40%
HSV	185°, 80%, 67%
XYZ	20.4110, 28.0766, 42.8778
YIQ	122.9930, -78.3520, -22.7680

Conversions

Conversions Part 2

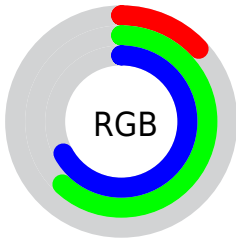
Format	Color
R_{YB}	34, 99, 171
Decimal	2269099
CIE _{Lab}	59.96, -27.99, -15.63
CIE _{LCh}	60, 32.057, 209.189
Yxy	28.0766, 0.2234, 0.3073
Android (android.graphics.Color)	4280459179 (0xFF229FAB)
YUV	122.9930, 23.6675, -78.0469
Hunter-Lab	52.9874, -23.9686, -10.8868

Details

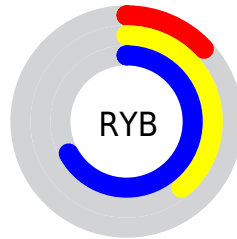
The Yxy color **28.0766, 0.2234, 0.3073** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **10.7366, 0.5746, 0.3415**, and the grayscale version is **19.7526, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.5874, 0.2412, 0.3130**, and **11.8473, 0.2162, 0.2983** is the 20% darker color. If you saturate the color by 10%, you get **27.3422, 0.2195, 0.3043**, and if you desaturate by 10%, it is **28.9639, 0.2291, 0.3103**.

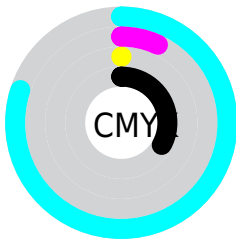
Distribution



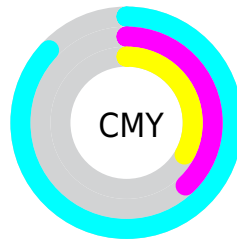
- Red (13%)
- Green (62%)
- Blue (67%)



- Red (13%)
- Yellow (39%)
- Blue (67%)



- Cyan (80%)
- Magenta (7%)
- Yellow (0%)
- Black (33%)




- Cyan (87%)
- Magenta (38%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.0766, 0.2234, 0.3073 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 28.0766, 0.2234, 0.3073 by changing the saturation by 10% instead.


 28.0766, 0.2234,
0.3073


 28.0766, 0.2234,
0.3073


292.8328, 0.2702,
0.3205


 18.3834, 0.2111,
0.3031


 56.6067, 0.2409,
0.3127

 11.2256, 0.1951,
0.2972


 76.2124, 0.2473,
0.3145

 6.2188, 0.1734,
0.2881

 99.8911, 0.2527,
0.3160

 2.9786, 0.1429,
0.2732

 128.0271, 0.2573,
0.3172

 1.1206, 0.0813,
0.2500

 161.0049, 0.2612,
0.3182

 0.0000, 0.0000,
0.0000

199.2089, 0.2646,

0.3191

243.0233, 0.2676,
0.3198

■ 28.0766, 0.2234,
0.3073

■ 28.0766, 0.2234,
0.3073

■ 27.3422, 0.2195,
0.3043

■ 28.9639, 0.2291,
0.3103

■ 26.7202, 0.2171,
0.3014

■ 30.0201, 0.2366,
0.3133

■ 31.2621, 0.2460,
0.3162

■ 32.7041, 0.2570,
0.3191

■ 34.3590, 0.2694,
0.3218

■ 36.2383, 0.2830,
0.3244

■ 38.3529, 0.2975,
0.3268

■ 40.7128, 0.3126,
0.3290

■ 43.3276, 0.3280,
0.3310

Harmonies

Analogous

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



28.0766, 0.2514, 0.3603



28.0766, 0.2234, 0.3073



28.0766, 0.2175, 0.2671

Triad

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



28.0766, 0.2234, 0.3073



28.0766, 0.3218, 0.2658



28.0766, 0.3938, 0.4126

Complementary

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



28.0766, 0.2234, 0.3073



10.7366, 0.5746, 0.3415

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.



28.0766, 0.4174, 0.3792



28.0766, 0.2234, 0.3073



28.0766, 0.3746, 0.2978

Square

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



28.0766, 0.2234, 0.3073



28.0766, 0.2706, 0.2475



28.0766, 0.4108, 0.3379



28.0766, 0.3492, 0.4255

Rectangle

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



28.0766, 0.2234, 0.3073



28.0766, 0.2261, 0.2514



28.0766, 0.4108, 0.3379



28.0766, 0.4046, 0.4031

Sweetspot

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



28.0776, 0.2234, 0.3073



63.3749, 0.2770, 0.3233



29.6655, 0.2975, 0.5618



13.8761, 0.2723, 0.3224



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.



28.0776, 0.2234, 0.3073



48.1116, 0.2177, 0.3021



10.7873, 0.1881, 0.1725



8.9501, 0.2986, 0.3269



20.1786, 0.2172, 0.3017



0.5957, 0.2196, 0.3106

Inverse Universe

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



12.3110, 0.3382, 0.1762



20.0181, 0.3435, 0.1678



20.8002, 0.4791, 0.4314



8.1358, 0.3150, 0.3086



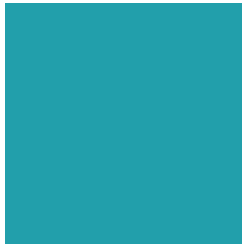
8.3401, 0.3439, 0.1668



0.2355, 0.3362, 0.1626

Previews

White Background



This preview shows how the Yxy color 28.0766, 0.2234, 0.3073 looks on a white background.

Color Contrast Check

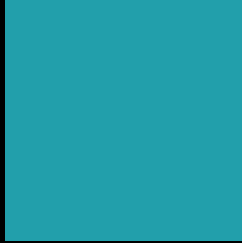
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.0766, 0.2234, 0.3073 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

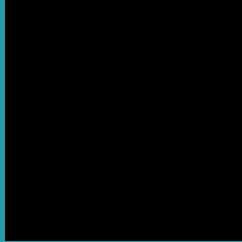
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.0766, 0.2234, 0.3073

Background



This preview shows how black text looks on a background with the Yxy color 28.0766, 0.2234, 0.3073.

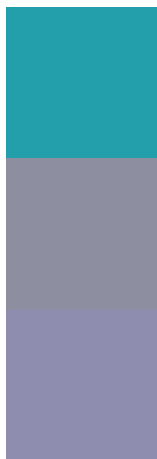


This preview shows how white text looks on a background with the Yxy color 28.0766, 0.2234, 0.3073.

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

28.0766, 0.2234, 0.3073

Protanopia

27.5468, 0.2945, 0.3004

Deuteranopia

27.6021, 0.2820, 0.2753



Tritanopia

28.1322, 0.2231, 0.3056

Trichromacy



Original Color

28.0766, 0.2234, 0.3073



Protanomaly

26.6849, 0.2572, 0.3014



Deuteranomaly

26.8070, 0.2506, 0.2838



Tritanomaly

28.1322, 0.2231, 0.3056

Monochromacy



Original Color

28.0766, 0.2234, 0.3073



Achromatopsia

19.8069, 0.3127, 0.3290



Achromatomaly

21.7259, 0.2639, 0.3212

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.0766, 0.2234, 0.3073 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(34, 159, 171)` looks like.

```
.text, #text, p{  
  color:rgb(34, 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(34, 159, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 159, 171) }
```

Border

The CSS property to change the border of an element to Yxy 28.0766, 0.2234, 0.3073 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(34, 159, 171) }
```

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

```
.border{ border-color:rgb(34, 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(34, 159, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 159, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 159, 171);  
box-shadow:4px 4px 4px 4px rgb(34, 159,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 28.0766, 0.2234, 0.3073 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 159, 171) }
```

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

```
.background{ background-color: rgb(34, 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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