

Converting Colors

$Y_{xy}(29.7063, 0.2274, 0.3046)$

Have a look what the booklet for
Yxy(29.7063, 0.2274, 0.3046)
contains.

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Color

Yxy(29.7053, 0.2274, 0.3046)

Conversions

Conversions Part 1

Format	Color
Hex	34A2B0
RGB	52, 162, 176
RGB Percent	20%, 64%, 69%
CMY	0.7957, 0.3647, 0.3098
CMYK	0.70, 0.08, 0.00, 0.31
HSL	187°, 54%, 45%
HSV	187°, 70%, 69%
XYZ	22.1766, 29.7053, 45.6404
YIQ	130.7060, -70.0540, -18.9660

Conversions

Conversions Part 2

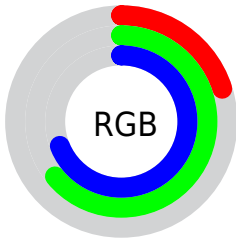
Format	Color
R _Y B	52, 110, 176
Decimal	3449520
CIE Lab	61.40, -25.80, -16.23
CIE LCh	61, 30.484, 212.173
Yxy	29.7053, 0.2274, 0.3046
Android (android.graphics.Color)	4281639600 (0xFF34A2B0)
YUV	130.7060, 22.3299, -69.0252
Hunter-Lab	54.5026, -22.7495, -11.4976

Details

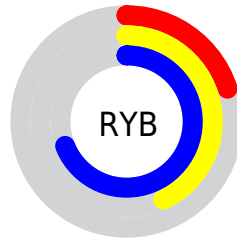
The Yxy color **29.7053, 0.2274, 0.3046** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **13.3881, 0.5301, 0.3465**, and the grayscale version is **22.5342, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.1649, 0.2438, 0.3097**, and **12.5819, 0.2157, 0.2966** is the 20% darker color. If you saturate the color by 10%, you get **28.6269, 0.2215, 0.3007**, and if you desaturate by 10%, it is **30.9712, 0.2352, 0.3085**.

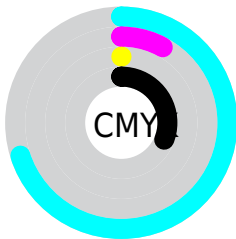
Distribution



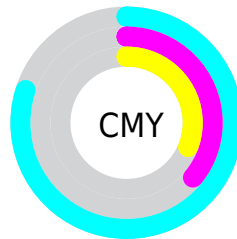
- Red (20%)
- Green (64%)
- Blue (69%)



- Red (20%)
- Yellow (43%)
- Blue (69%)



- Cyan (70%)
- Magenta (8%)
- Yellow (0%)
- Black (31%)




- Cyan (80%)
- Magenta (36%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.7053, 0.2274, 0.3046 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 29.7053, 0.2274, 0.3046 by changing the saturation by 10% instead.


 29.7053, 0.2274,
0.3046


 29.7053, 0.2274,
0.3046


300.5284, 0.2718,
0.3190


 19.6150, 0.2159,
0.3002


 59.1958, 0.2439,
0.3104

 12.1155, 0.2009,
0.2941


 79.3648, 0.2500,
0.3124


 6.8224, 0.1807,
0.2850

 103.6622, 0.2551,
0.3140

 3.3513, 0.1523,
0.2704

 132.4723, 0.2594,
0.3153

 1.3178, 0.1061,
0.2455

 166.1796, 0.2632,
0.3165

 0.1549, 0.0000,
0.1033

205.1685, 0.2664,

 0.0000, 0.0000,

0.3174

0.0000

249.8233, 0.2693,
0.3182

■ 29.7053, 0.2274,
0.3046

■ 29.7053, 0.2274,
0.3046

■ 28.6269, 0.2215,
0.3007

■ 30.9712, 0.2352,
0.3085

■ 27.7120, 0.2174,
0.2968

■ 32.4387, 0.2448,
0.3123

■ 26.9471, 0.2148,
0.2931

■ 34.1241, 0.2560,
0.3160

■ 36.0412, 0.2687,
0.3196

■ 38.2026, 0.2824,
0.3229

■ 40.6200, 0.2970,
0.3260

■ 43.3042, 0.3121,
0.3289

■ 46.2655, 0.3275,
0.3315

■ 49.5135, 0.3429,
0.3338

Harmonies

Analogous

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



29.7053, 0.2520, 0.3533



29.7053, 0.2274, 0.3046



29.7053, 0.2239, 0.2685

Triad

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



29.7053, 0.2274, 0.3046



29.7053, 0.3265, 0.2721



29.7053, 0.3853, 0.4097

Complementary

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



29.7053, 0.2274, 0.3046



13.3881, 0.5301, 0.3465

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.



29.7053, 0.4095, 0.3801



29.7053, 0.2274, 0.3046



29.7053, 0.3748, 0.3034

Square

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



29.7053, 0.2274, 0.3046



29.7053, 0.2777, 0.2534



29.7053, 0.4061, 0.3417



29.7053, 0.3424, 0.4184

Rectangle

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



29.7053, 0.2274, 0.3046



29.7053, 0.2333, 0.2549



29.7053, 0.4061, 0.3417



29.7053, 0.3960, 0.4015

Sweetspot

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



29.7064, 0.2274, 0.3046



68.8847, 0.2810, 0.3226



32.1604, 0.2969, 0.5339



14.6932, 0.2773, 0.3217



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.



29.7064, 0.2274, 0.3046



51.0415, 0.2192, 0.2987



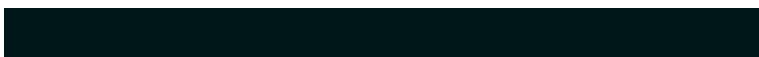
13.3033, 0.1991, 0.1895



9.4642, 0.2986, 0.3264



19.8246, 0.2149, 0.2935



0.6701, 0.2179, 0.3043

Inverse Universe

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



14.3036, 0.3396, 0.1893



22.5857, 0.3459, 0.1757



24.5141, 0.4555, 0.4287



8.6299, 0.3154, 0.3090



8.5414, 0.3512, 0.1708



0.2734, 0.3417, 0.1656

Previews

White Background



This preview shows how the Yxy color 29.7053, 0.2274, 0.3046 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 29.7053, 0.2274, 0.3046 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

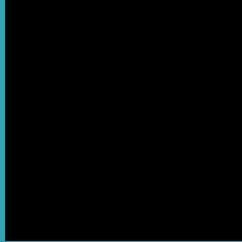
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.7053, 0.2274, 0.3046

Background



This preview shows how black text looks on a background with the Yxy color 29.7053, 0.2274, 0.3046.

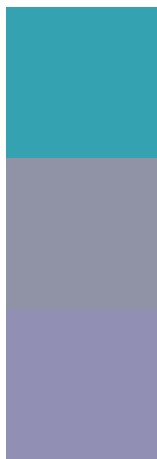


This preview shows how white text looks on a background with the Yxy color 29.7053, 0.2274, 0.3046.

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

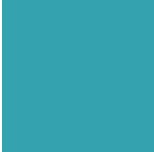
29.7053, 0.2274, 0.3046

Protanopia

29.2402, 0.2921, 0.2980

Deuteranopia

29.2615, 0.2809, 0.2750



Tritanopia

29.6659, 0.2279, 0.3063

Trichromacy



Original Color

29.7053, 0.2274, 0.3046

Protanomaly

28.7383, 0.2607, 0.2992

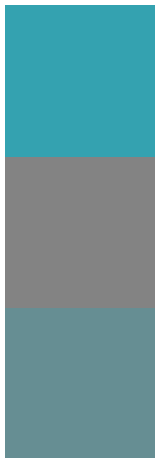
Deuteranomaly

28.7674, 0.2541, 0.2838

Tritanomaly

29.6659, 0.2279, 0.3063

Monochromacy



Original Color

29.7053, 0.2274, 0.3046

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

24.2774, 0.2690, 0.3198

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.7053, 0.2274, 0.3046 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(52, 162, 176)` looks like.

```
.text, #text, p{  
    color:rgb(52, 162, 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(52, 162, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 162, 176) }
```

Border

The CSS property to change the border of an element to Yxy 29.7053, 0.2274, 0.3046 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(52, 162, 176) }
```

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

```
.border{ border-color:rgb(52, 162, 176) }
```

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

Here you see how a box with a 4 pixel rgb(52, 162, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 162, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 162, 176);  
box-shadow:4px 4px 4px 4px rgb(52, 162,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 29.7053, 0.2274, 0.3046 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 162, 176) }
```

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

```
.background{ background-color: rgb(52, 162,  
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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