

Converting Colors

$Y_{xy}(29.7289, 0.2375, 0.3166)$

Have a look what the booklet for
Yxy(29.7289, 0.2375, 0.3166)
contains.

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Color

Yxy(29.8985, 0.2372, 0.3166)

Conversions

Conversions Part 1

Format	Color
Hex	43A2A9
RGB	67, 162, 169
RGB Percent	26%, 64%, 66%
CMY	0.7371, 0.3647, 0.3372
CMYK	0.60, 0.04, 0.00, 0.34
HSL	184°, 43%, 46%
HSV	184°, 60%, 66%
XYZ	22.4003, 29.8985, 42.1374
YIQ	134.3930, -58.8670, -17.9630

Conversions

Conversions Part 2

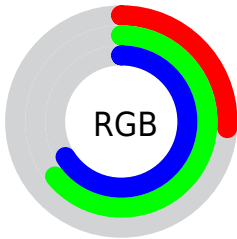
Format	Color
RYB	67, 116, 169
Decimal	4432553
CIELab	61.57, -25.49, -12.01
CIElCh	62, 28.181, 205.228
Yxy	29.8985, 0.2372, 0.3166
Android (android.graphics.Color)	4282622633 (0xFF43A2A9)
YUV	134.3930, 17.0613, -59.1037
Hunter-Lab	54.6795, -22.5640, -7.4147

Details

The Yxy color **29.8985, 0.2372, 0.3166** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **13.7509, 0.4896, 0.3394**, and the grayscale version is **23.9497, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.4431, 0.2522, 0.3199**, and **12.4362, 0.2197, 0.3110** is the 20% darker color. If you saturate the color by 10%, you get **28.9780, 0.2299, 0.3143**, and if you desaturate by 10%, it is **30.9994, 0.2463, 0.3189**.

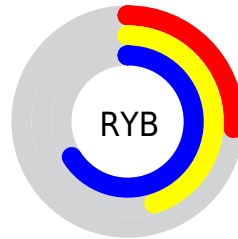
Distribution



Red (26%)

Green (64%)

Blue (66%)



Red (26%)

Yellow (45%)

Blue (66%)

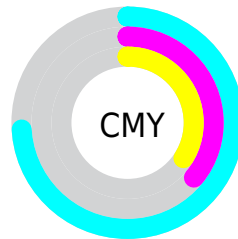


Cyan (60%)

Magenta (4%)

Yellow (0%)

Black (34%)



Cyan (74%)


Magenta (36%)

Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.8985, 0.2372, 0.3166 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 29.8985, 0.2372, 0.3166 by changing the saturation by 10% instead.


 29.8985, 0.2372,
0.3166


 29.8985, 0.2372,
0.3166


301.4311, 0.2767,
0.3243


 19.7616, 0.2268,
0.3141


 59.5016, 0.2520,
0.3198


 12.2218, 0.2132,
0.3105


 79.7366, 0.2574,
0.3209

 6.8949, 0.1946,
0.3050


 104.1064, 0.2619,
0.3217

 3.3965, 0.1681,
0.2956

 132.9953, 0.2658,
0.3224

 1.3421, 0.1237,
0.2790

 166.7879, 0.2691,
0.3230

 0.1734, 0.0000,
0.1441

205.8684, 0.2720,

 0.0000, 0.0000,

0.3235

0.0000

250.6214, 0.2745,
0.3239

■ 29.8985, 0.2372,
0.3166

■ 29.8985, 0.2372,
0.3166

■ 28.9780, 0.2299,
0.3143

■ 30.9994, 0.2463,
0.3189

■ 28.2189, 0.2246,
0.3120

■ 32.2912, 0.2570,
0.3211

■ 27.6038, 0.2210,
0.3097

■ 33.7872, 0.2693,
0.3233

■ 27.1067, 0.2188,
0.3075

■ 35.4991, 0.2827,
0.3253

■ 37.4371, 0.2972,
0.3272

■ 39.6111, 0.3122,
0.3289

■ 42.0304, 0.3276,
0.3305

■ 44.7037, 0.3432,
0.3320

■ 47.6392, 0.3587,
0.3333

Harmonies

Analogous

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



29.8985, 0.2644, 0.3619



29.8985, 0.2372, 0.3166



29.8985, 0.2292, 0.2795

Triad

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



29.8985, 0.2372, 0.3166



29.8985, 0.3147, 0.2708



29.8985, 0.3871, 0.3988

Complementary

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



29.8985, 0.2372, 0.3166



13.7509, 0.4896, 0.3394

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.



29.8985, 0.4038, 0.3690



29.8985, 0.2372, 0.3166



29.8985, 0.3606, 0.2978

Square

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



29.8985, 0.2372, 0.3166



29.8985, 0.2713, 0.2568



29.8985, 0.3942, 0.3327



29.8985, 0.3506, 0.4117

Rectangle

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



29.8985, 0.2372, 0.3166



29.8985, 0.2350, 0.2639



29.8985, 0.3942, 0.3327



29.8985, 0.3953, 0.3902

Sweetspot

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



29.8996, 0.2372, 0.3166



64.2221, 0.2856, 0.3257



30.0719, 0.3000, 0.5085



13.7968, 0.2816, 0.3251



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



29.8996, 0.2372, 0.3166



51.4517, 0.2282, 0.3136



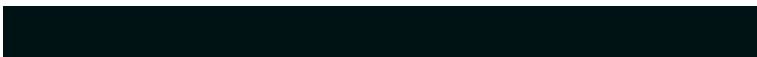
15.4810, 0.2158, 0.2199



8.4422, 0.2987, 0.3274



20.2282, 0.2188, 0.3077



0.5175, 0.2209, 0.3152

Inverse Universe

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



15.0659, 0.3287, 0.1989



23.0622, 0.3324, 0.1807



23.4685, 0.4355, 0.4138



7.6576, 0.3148, 0.3082



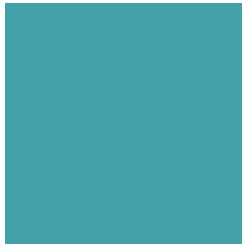
8.1131, 0.3387, 0.1639



0.2000, 0.3322, 0.1604

Previews

White Background



This preview shows how the Yxy color 29.8985, 0.2372, 0.3166 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 29.8985, 0.2372, 0.3166 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

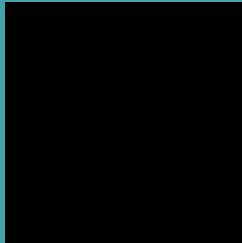
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.8985, 0.2372, 0.3166

Background



This preview shows how black text looks on a background with the Yxy color 29.8985, 0.2372, 0.3166.



This preview shows how white text looks on a background with the Yxy color 29.8985, 0.2372, 0.3166.

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

29.8985, 0.2372, 0.3166

Protanopia

29.5737, 0.3014, 0.3103

Deuteranopia

29.4477, 0.2917, 0.2854



Tritanopia

29.8109, 0.2349, 0.3066

Trichromacy



Original Color

29.8985, 0.2372, 0.3166

Protanomaly

28.9524, 0.2717, 0.3108

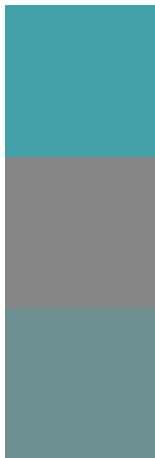
Deuteranomaly

29.1048, 0.2662, 0.2951

Tritanomaly

29.6972, 0.2355, 0.3098

Monochromacy



Original Color

29.8985, 0.2372, 0.3166

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

25.3681, 0.2764, 0.3236

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.8985, 0.2372, 0.3166 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(67, 162, 169)` looks like.

```
.text, #text, p{  
    color:rgb(67, 162, 169)  
}
```

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(67, 162, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 162, 169) }
```

Border

The CSS property to change the border of an element to Yxy 29.8985, 0.2372, 0.3166 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(67, 162, 169) }
```

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

```
.border{ border-color:rgb(67, 162, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 162, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 162, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 162, 169);  
box-shadow:4px 4px 4px 4px rgb(67, 162,  
169) }
```


Background

The CSS property to change the background color of an element to Yxy 29.8985, 0.2372, 0.3166 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 162, 169) }
```

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

```
.background{ background-color: rgb(67, 162,  
169) }
```

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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