

Converting Colors

$Yxy(28.8838, 0.2407, 0.3459)$

Have a look what the booklet for
Yxy(28.8838, 0.2407, 0.3459)
contains.

Yxy(28.8975, 0.2406, 0.3453)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$Y_{xy}(28.8975, 0.2406, 0.3453)$

Conversions

Conversions Part 1

Format	Color
Hex	35A299
RGB	53, 162, 153
RGB Percent	21%, 64%, 60%
CMY	0.7925, 0.3647, 0.4000
CMYK	0.67, 0.00, 0.06, 0.36
HSL	175°, 51%, 42%
HSV	175°, 67%, 64%
XYZ	20.1354, 28.8975, 34.6552
YIQ	128.3830, -62.0750, -25.9070

Conversions

Conversions Part 2

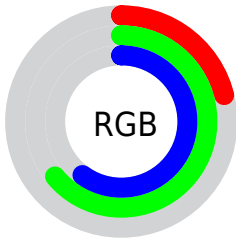
Format	Color
RYB	53, 110, 162
Decimal	3515033
CIELab	60.69, -32.50, -4.33
CIELCh	61, 32.787, 187.583
Yxy	28.8975, 0.2406, 0.3453
Android (android.graphics.Color)	4281705113 (0xFF35A299)
YUV	128.3830, 12.1362, -66.1109
Hunter-Lab	53.7564, -27.2135, -0.5931

Details

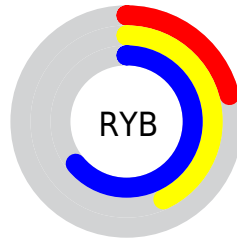
The Yxy color **28.8975, 0.2406, 0.3453** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **10.5685, 0.5117, 0.3174**, and the grayscale version is **21.6929, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.7081, 0.2551, 0.3422**, and **12.1112, 0.2306, 0.3503** is the 20% darker color. If you saturate the color by 10%, you get **28.4881, 0.2360, 0.3481**, and if you desaturate by 10%, it is **29.4580, 0.2471, 0.3426**.

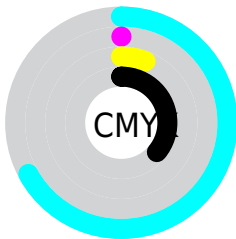
Distribution



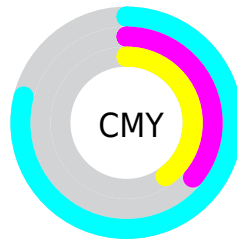
- Red (21%)
- Green (64%)
- Blue (60%)



- Red (21%)
- Yellow (43%)
- Blue (64%)



- Cyan (67%)
- Magenta (0%)
- Yellow (6%)
- Black (36%)



- Cyan (79%)
- Magenta (36%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.8975, 0.2406, 0.3453 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 28.8975, 0.2406, 0.3453 by changing the saturation by 10% instead.

 28.8975, 0.2406,
0.3453


 28.8975, 0.2406,
0.3453

296.7310, 0.2789,
0.3372


 19.0033, 0.2303,
0.3473


 57.9142, 0.2551,
0.3424


 11.6727, 0.2166,
0.3497


 77.8055, 0.2603,
0.3413

 6.5212, 0.1977,
0.3528

 101.7979, 0.2647,
0.3403

 3.1645, 0.1700,
0.3566

 130.2759, 0.2684,
0.3395

 1.2182, 0.1009,
0.3707

 163.6238, 0.2716,
0.3388

 0.0765, 0.0000,
0.1655

202.2260, 0.2744,

 0.0000, 0.0000,

0.3382

0.0000

246.4670, 0.2768,
0.3376

■ 28.8975, 0.2406,
0.3453

■ 28.8975, 0.2406,
0.3453

■ 28.4881, 0.2360,
0.3481

■ 29.4580, 0.2471,
0.3426

■ 28.2107, 0.2332,
0.3508

■ 30.1797, 0.2553,
0.3399

■ 28.0413, 0.2320,
0.3535

■ 31.0758, 0.2652,
0.3373

■ 28.0021, 0.2317,
0.3543

■ 32.1570, 0.2766,
0.3349

■ 33.4333, 0.2891,
0.3326

■ 34.9141, 0.3025,
0.3304

■ 36.6080, 0.3165,
0.3285

■ 38.5230, 0.3309,
0.3268

■ 40.6671, 0.3454,
0.3252

Harmonies

Analogous

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



28.8975, 0.2826, 0.3967



28.8975, 0.2406, 0.3453



28.8975, 0.2184, 0.2937

Triad

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



28.8975, 0.2406, 0.3453



28.8975, 0.2835, 0.2501



28.8975, 0.4149, 0.3905

Complementary

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



28.8975, 0.2406, 0.3453



10.5685, 0.5117, 0.3174

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.



28.8975, 0.4172, 0.3498



28.8975, 0.2406, 0.3453



28.8975, 0.3375, 0.2729

Square

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



28.8975, 0.2406, 0.3453



28.8975, 0.2414, 0.2443



28.8975, 0.3881, 0.3082



28.8975, 0.3838, 0.4200

Rectangle

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



28.8975, 0.2406, 0.3453



28.8975, 0.2162, 0.2679



28.8975, 0.3881, 0.3082



28.8975, 0.4192, 0.3776

Sweetspot

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



28.8986, 0.2406, 0.3453



59.9444, 0.2851, 0.3332



27.1246, 0.3082, 0.5377



13.3226, 0.2818, 0.3339



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



28.8986, 0.2406, 0.3453



51.4218, 0.2343, 0.3495



15.9831, 0.2140, 0.2393



8.0011, 0.2998, 0.3308



22.0612, 0.2317, 0.3540



0.4663, 0.2289, 0.3441

Inverse Universe

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



10.5685, 0.5117, 0.3174



15.7469, 0.5778, 0.3193



16.7444, 0.4723, 0.3965



7.0950, 0.3272, 0.3272



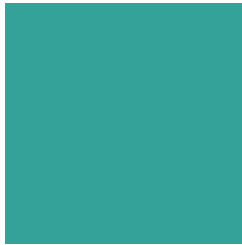
6.0781, 0.6285, 0.3236



0.1304, 0.5800, 0.2969

Previews

White Background



This preview shows how the Yxy color 28.8975, 0.2406, 0.3453 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 28.8975, 0.2406, 0.3453 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

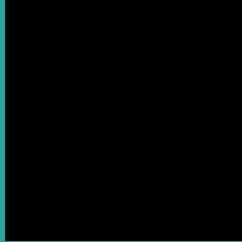
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.8975, 0.2406, 0.3453

Background



This preview shows how black text looks on a background with the Yxy color 28.8975, 0.2406, 0.3453.



This preview shows how white text looks on a background with the Yxy color 28.8975, 0.2406, 0.3453.

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

28.8975, 0.2406, 0.3453

Protanopia

28.5299, 0.3178, 0.3322

Deuteranopia

28.3884, 0.3097, 0.3029



Tritanopia

28.8316, 0.2325, 0.3062

Trichromacy



Original Color

28.8975, 0.2406, 0.3453



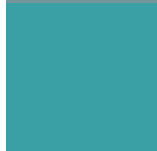
Protanomaly

27.7505, 0.2801, 0.3358



Deuteranomaly

27.6771, 0.2759, 0.3171



Tritanomaly

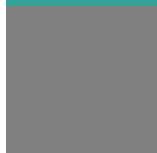
28.7880, 0.2352, 0.3199

Monochromacy



Original Color

28.8975, 0.2406, 0.3453



Achromatopsia

21.5861, 0.3127, 0.3290



Achromatomaly

23.3290, 0.2762, 0.3345

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.8975, 0.2406, 0.3453 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(53, 162, 153)` looks like.

```
.text, #text, p{  
    color:rgb(53, 162, 153)  
}
```

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(53, 162, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 162, 153) }
```

Border

The CSS property to change the border of an element to Yxy 28.8975, 0.2406, 0.3453 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(53, 162, 153) }
```

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

```
.border{ border-color:rgb(53, 162, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(53, 162, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 162, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 162, 153);  
box-shadow:4px 4px 4px 4px rgb(53, 162,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 28.8975, 0.2406, 0.3453 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 162, 153) }
```

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

```
.background{ background-color: rgb(53, 162,  
153) }
```

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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