

Converting Colors

$Yxy(28.6466, 0.2356, 0.3178)$

Have a look what the booklet for
Yxy(28.6466, 0.2356, 0.3178)
contains.

Yxy(28.5415, 0.2351, 0.3164)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(28.5415, 0.2351, 0.3164)

Conversions

Conversions Part 1

Format	Color
Hex	3D9FA6
RGB	61, 159, 166
RGB Percent	24%, 62%, 65%
CMY	0.7604, 0.3765, 0.3491
CMYK	0.63, 0.04, 0.00, 0.35
HSL	184°, 46%, 45%
HSV	184°, 63%, 65%
XYZ	21.2077, 28.5415, 40.4578
YIQ	130.4960, -60.6550, -18.5990

Conversions

Conversions Part 2

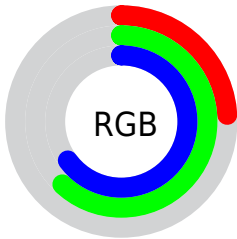
Format	Color
RYB	61, 112, 166
Decimal	4038566
CIELab	60.37, -25.94, -12.10
CIELCh	60, 28.622, 205.016
Yxy	28.5415, 0.2351, 0.3164
Android (android.graphics.Color)	4282228646 (0xFF3D9FA6)
YUV	130.4960, 17.5035, -60.9480
Hunter-Lab	53.4242, -22.6338, -7.5030

Details

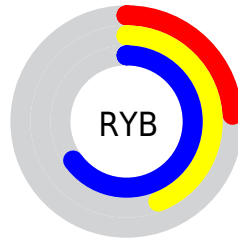
The Yxy color **28.5415, 0.2351, 0.3164** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **12.5853, 0.5024, 0.3393**, and the grayscale version is **22.4688, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.3785, 0.2506, 0.3197**, and **11.7303, 0.2196, 0.3106** is the 20% darker color. If you saturate the color by 10%, you get **27.7157, 0.2284, 0.3142**, and if you desaturate by 10%, it is **29.5359, 0.2436, 0.3186**.

Distribution



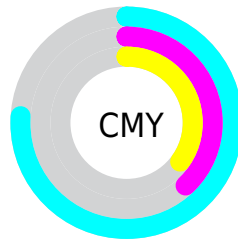
- Red (24%)
- Green (62%)
- Blue (65%)



- Red (24%)
- Yellow (44%)
- Blue (65%)



- Cyan (63%)
- Magenta (4%)
- Yellow (0%)
- Black (35%)





- Cyan (76%)
- Magenta (38%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.5415, 0.2351, 0.3164 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 28.5415, 0.2351, 0.3164 by changing the saturation by 10% instead.


 28.5415, 0.2351,
0.3164


 28.5415, 0.2351,
0.3164


295.0454, 0.2760,
0.3243


 18.7342, 0.2243,
0.3138


 57.3478, 0.2504,
0.3197


 11.4784, 0.2100,
0.3100


 77.1157, 0.2561,
0.3208


 6.3896, 0.1905,
0.3041


 100.9725, 0.2607,
0.3217

 3.0834, 0.1624,
0.2940

 129.3028, 0.2647,
0.3224

 1.1754, 0.1083,
0.2778

 162.4908, 0.2681,
0.3230

 0.0415, 0.0000,
0.0445

200.9210, 0.2711,

 0.0000, 0.0000,

0.3235

0.0000

244.9777, 0.2737,
0.3239

■ 28.5415, 0.2351,
0.3164

■ 28.5415, 0.2351,
0.3164

■ 27.7157, 0.2284,
0.3142

■ 29.5359, 0.2436,
0.3186

■ 27.0397, 0.2236,
0.3119

■ 30.7093, 0.2539,
0.3208

■ 26.4960, 0.2205,
0.3097

■ 32.0750, 0.2657,
0.3229

■ 26.1720, 0.2190,
0.3083

■ 33.6441, 0.2788,
0.3249

■ 35.4268, 0.2930,
0.3267

■ 37.4328, 0.3079,
0.3285

■ 39.6710, 0.3232,
0.3301

■ 42.1499, 0.3387,
0.3315

■ 44.8774, 0.3542,
0.3328

Harmonies

Analogous

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



28.5415, 0.2631, 0.3633



28.5415, 0.2351, 0.3164



28.5415, 0.2267, 0.2781

Triad

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



28.5415, 0.2351, 0.3164



28.5415, 0.3143, 0.2690



28.5415, 0.3895, 0.4007

Complementary

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



28.5415, 0.2351, 0.3164



12.5853, 0.5024, 0.3393

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.



28.5415, 0.4067, 0.3698



28.5415, 0.2351, 0.3164



28.5415, 0.3617, 0.2966

Square

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



28.5415, 0.2351, 0.3164



28.5415, 0.2698, 0.2547



28.5415, 0.3966, 0.3324



28.5415, 0.3520, 0.4144

Rectangle

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



28.5415, 0.2351, 0.3164



28.5415, 0.2326, 0.2620



28.5415, 0.3966, 0.3324



28.5415, 0.3980, 0.3917

Sweetspot

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



28.5426, 0.2351, 0.3164



62.2738, 0.2842, 0.3256



28.6575, 0.3006, 0.5203



13.7419, 0.2803, 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.



28.5426, 0.2351, 0.3164



49.7655, 0.2261, 0.3132



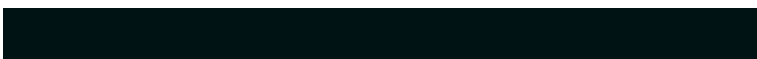
14.5333, 0.2124, 0.2174



8.4453, 0.2987, 0.3274



20.3273, 0.2190, 0.3085



0.5191, 0.2210, 0.3157

Inverse Universe

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



13.9546, 0.3292, 0.1942



21.6169, 0.3330, 0.1761



21.5836, 0.4441, 0.4143



7.6579, 0.3147, 0.3082



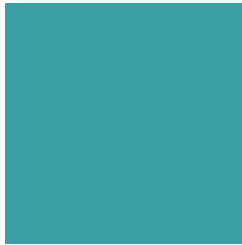
8.1231, 0.3380, 0.1636



0.2001, 0.3318, 0.1602

Previews

White Background



This preview shows how the Yxy color 28.5415, 0.2351, 0.3164 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 28.5415, 0.2351, 0.3164 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

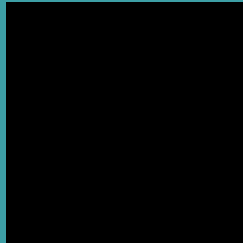
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.5415, 0.2351, 0.3164

Background



This preview shows how black text looks on a background with the Yxy color 28.5415, 0.2351, 0.3164.

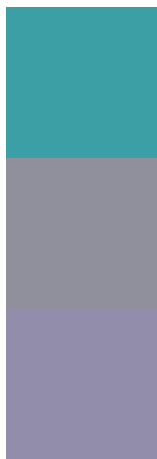


This preview shows how white text looks on a background with the Yxy color 28.5415, 0.2351, 0.3164.

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

28.5415, 0.2351, 0.3164

Protanopia

28.2761, 0.3012, 0.3100

Deuteranopia

28.0630, 0.2903, 0.2845



Tritanopia

28.4840, 0.2331, 0.3061

Trichromacy



Original Color

28.5415, 0.2351, 0.3164

Protanomaly

27.6104, 0.2701, 0.3104

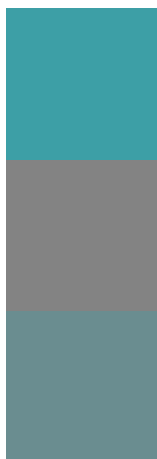
Deuteranomaly

27.6892, 0.2638, 0.2943

Tritanomaly

28.3751, 0.2338, 0.3094

Monochromacy



Original Color

28.5415, 0.2351, 0.3164

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

24.1275, 0.2749, 0.3235

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.5415, 0.2351, 0.3164 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(61, 159, 166)` looks like.

```
.text, #text, p{  
    color:rgb(61, 159, 166)  
}
```

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(61, 159, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 159, 166) }
```

Border

The CSS property to change the border of an element to Yxy 28.5415, 0.2351, 0.3164 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(61, 159, 166) }
```

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

```
.border{ border-color:rgb(61, 159, 166) }
```

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

Here you see how a box with a 4 pixel rgb(61, 159, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 159, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 159, 166);  
box-shadow:4px 4px 4px 4px rgb(61, 159,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 28.5415, 0.2351, 0.3164 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 159, 166) }
```

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

```
.background{ background-color: rgb(61, 159,  
166) }
```

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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