

Converting Colors

$Yxy(28.9166, 0.2368, 0.3141)$

Have a look what the booklet for
Yxy(28.9166, 0.2368, 0.3141)
contains.

Yxy(28.8167, 0.2366, 0.3130)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(28.8167, 0.2366, 0.3130)

Conversions

Conversions Part 1

Format	Color
Hex	439FA8
RGB	67, 159, 168
RGB Percent	26%, 62%, 66%
CMY	0.7372, 0.3765, 0.3411
CMYK	0.60, 0.05, 0.00, 0.34
HSL	185°, 43%, 46%
HSV	185°, 60%, 66%
XYZ	21.7828, 28.8167, 41.4666
YIQ	132.5180, -57.7210, -16.7050

Conversions

Conversions Part 2

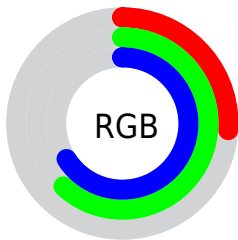
Format	Color
R _{YB}	67, 115, 168
Decimal	4431784
CIE _{Lab}	60.62, -24.27, -12.87
CIE _{LCh}	61, 27.474, 207.925
Y _{xy}	28.8167, 0.2366, 0.3130
Android (android.graphics.Color)	4282621864 (0xFF439FA8)
Y _{UV}	132.5180, 17.4926, -57.4593
Hunter-Lab	53.6812, -21.5100, -8.2223

Details

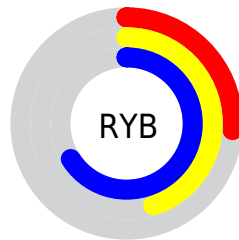
The Yxy color **28.8167, 0.2366, 0.3130** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **13.9067, 0.4863, 0.3424**, and the grayscale version is **23.2255, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.7808, 0.2516, 0.3172**, and **11.7763, 0.2182, 0.3056** is the 20% darker color. If you saturate the color by 10%, you get **27.7946, 0.2290, 0.3100**, and if you desaturate by 10%, it is **30.0195, 0.2460, 0.3160**.

Distribution



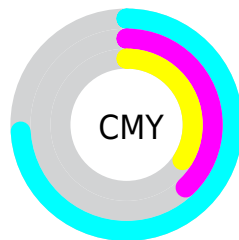
- Red (26%)
- Green (62%)
- Blue (66%)



- Red (26%)
- Yellow (45%)
- Blue (66%)



- Cyan (60%)
- Magenta (5%)
- Yellow (0%)
- Black (34%)





- Cyan (74%)
- Magenta (38%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.8167, 0.2366, 0.3130 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 28.8167, 0.2366, 0.3130 by changing the saturation by 10% instead.


 28.8167, 0.2366,
0.3130


 28.8167, 0.2366,
0.3130


296.3491, 0.2766,
0.3227


 18.9422, 0.2260,
0.3099


 57.7857, 0.2516,
0.3170


 11.6285, 0.2121,
0.3056


 77.6491, 0.2571,
0.3183

 6.4913, 0.1931,
0.2989


 101.6108, 0.2617,
0.3194

 3.1460, 0.1657,
0.2877

 130.0553, 0.2656,
0.3203

 1.2084, 0.1168,
0.2688

 163.3670, 0.2689,
0.3210

 0.0686, 0.0000,
0.0658

201.9302, 0.2718,

 0.0000, 0.0000,

0.3217

0.0000

246.1295, 0.2744,
0.3222

■ 28.8167, 0.2366,
0.3130

■ 28.8167, 0.2366,
0.3130

■ 27.7946, 0.2290,
0.3100

■ 30.0195, 0.2460,
0.3160

■ 26.9346, 0.2233,
0.3069

■ 31.4133, 0.2570,
0.3189

■ 26.2196, 0.2195,
0.3039

■ 33.0114, 0.2694,
0.3217

■ 25.6150, 0.2170,
0.3010

■ 34.8250, 0.2830,
0.3243

■ 36.8644, 0.2975,
0.3267

■ 39.1393, 0.3126,
0.3290

■ 41.6587, 0.3279,
0.3310

■ 44.4314, 0.3434,
0.3329

■ 47.4653, 0.3587,
0.3345

Harmonies

Analogous

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



28.8167, 0.2619, 0.3575



28.8167, 0.2366, 0.3130



28.8167, 0.2304, 0.2776

Triad

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



28.8167, 0.2366, 0.3130



28.8167, 0.3188, 0.2735



28.8167, 0.3836, 0.3999

Complementary

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



28.8167, 0.2366, 0.3130



13.9067, 0.4863, 0.3424

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.



28.8167, 0.4021, 0.3716



28.8167, 0.2366, 0.3130



28.8167, 0.3636, 0.3011

Square

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



28.8167, 0.2366, 0.3130



28.8167, 0.2753, 0.2583



28.8167, 0.3950, 0.3360



28.8167, 0.3464, 0.4105

Rectangle

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



28.8167, 0.2366, 0.3130



28.8167, 0.2373, 0.2632



28.8167, 0.3950, 0.3360



28.8167, 0.3923, 0.3919

Sweetspot

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



28.8178, 0.2366, 0.3130



63.8097, 0.2855, 0.3247



29.7190, 0.2991, 0.5048



13.6934, 0.2816, 0.3240



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.



28.8178, 0.2366, 0.3130



49.8953, 0.2270, 0.3090



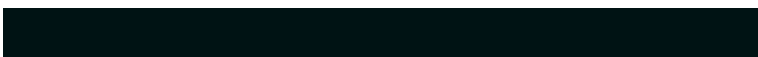
14.9816, 0.2154, 0.2171



8.4158, 0.2987, 0.3269



19.3782, 0.2170, 0.3013



0.5036, 0.2198, 0.3112

Inverse Universe

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



14.8471, 0.3316, 0.2016



22.9050, 0.3362, 0.1832



23.6374, 0.4332, 0.4159



7.6549, 0.3151, 0.3087



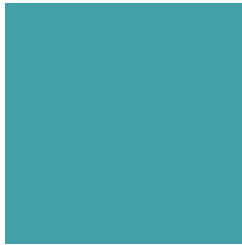
8.0273, 0.3443, 0.1670



0.1985, 0.3357, 0.1623

Previews

White Background



This preview shows how the Yxy color 28.8167, 0.2366, 0.3130 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 28.8167, 0.2366, 0.3130 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

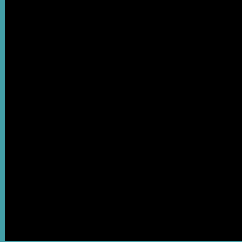
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.8167, 0.2366, 0.3130

Background



This preview shows how black text looks on a background with the Yxy color 28.8167, 0.2366, 0.3130.



This preview shows how white text looks on a background with the Yxy color 28.8167, 0.2366, 0.3130.

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

28.8167, 0.2366, 0.3130

Protanopia

28.3790, 0.2984, 0.3054

Deuteranopia

28.5276, 0.2896, 0.2834



Tritanopia

28.6229, 0.2349, 0.3062

Trichromacy



Original Color

28.8167, 0.2366, 0.3130

Protanomaly

27.8165, 0.2703, 0.3072

Deuteranomaly

27.9716, 0.2648, 0.2915

Tritanomaly

28.5849, 0.2355, 0.3079

Monochromacy



Original Color

28.8167, 0.2366, 0.3130

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

24.6725, 0.2761, 0.3218

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.8167, 0.2366, 0.3130 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, 159, 168)` looks like.

```
.text, #text, p{  
    color:rgb(67, 159, 168)  
}
```

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, 159, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 159, 168) }
```

Border

The CSS property to change the border of an element to Yxy 28.8167, 0.2366, 0.3130 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, 159, 168) }
```

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

```
.border{ border-color:rgb(67, 159, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 159, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(67, 159, 168); -webkit-box-shadow:4px 4px 4px 4px rgb(67, 159, 168); box-shadow:4px 4px 4px 4px rgb(67, 159, 168) }
```


Background

The CSS property to change the background color of an element to Yxy 28.8167, 0.2366, 0.3130 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 159, 168) }
```

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

```
.background{ background-color: rgb(67, 159,  
168) }
```

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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