

Converting Colors

$Y_{xy}(29.2359, 0.2794, 0.3189)$

Have a look what the booklet for
Yxy(29.2359, 0.2794, 0.3189)
contains.

Yxy(29.1360, 0.2800, 0.3190)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(29.1360, 0.2800, 0.3190)

Conversions

Conversions Part 1

Format	Color
Hex	7B989E
RGB	123, 152, 158
RGB Percent	48%, 60%, 62%
CMY	0.5174, 0.4040, 0.3804
CMYK	0.22, 0.04, 0.00, 0.38
HSL	190°, 15%, 55%
HSV	190°, 22%, 62%
XYZ	25.5739, 29.1360, 36.6255
YIQ	144.0130, -19.2100, -4.2820

Conversions

Conversions Part 2

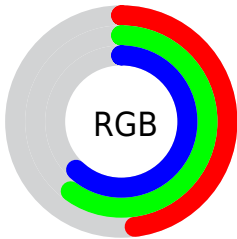
Format	Color
R_{YB}	123, 139, 158
Decimal	8099998
CIE _{Lab}	60.90, -8.68, -6.50
CIE _{LCh}	61, 10.846, 216.846
Yxy	29.1360, 0.2800, 0.3190
Android (android.graphics.Color)	4286290078 (0xFF7B989E)
YUV	144.0130, 6.8956, -18.4284
Hunter-Lab	53.9778, -9.8903, -2.4456

Details

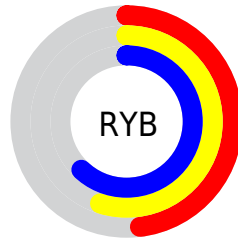
The Yxy color $29.1360, 0.2800, 0.3190$ is a dark color, and the websafe version is hex 669999 . A complement of this color would be $24.4194, 0.3543, 0.3388$, and the grayscale version is $27.8772, 0.3127, 0.3290$.

A 20% lighter version of the original color is $58.1768, 0.2863, 0.3204$, and $11.7854, 0.2682, 0.3143$ is the 20% darker color. If you saturate the color by 10%, you get $27.1913, 0.2661, 0.3139$, and if you desaturate by 10%, it is $31.2914, 0.2946, 0.3238$.

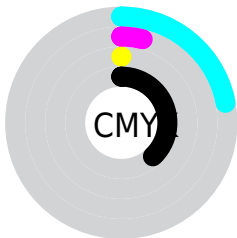
Distribution



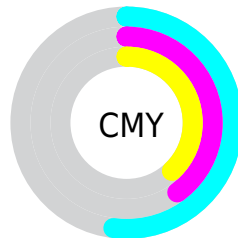
- Red (48%)
- Green (60%)
- Blue (62%)



- Red (48%)
- Yellow (55%)
- Blue (62%)



- Cyan (22%)
- Magenta (4%)
- Yellow (0%)
- Black (38%)



- Cyan (52%)
- Magenta (40%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.1360, 0.2800, 0.3190 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 29.1360, 0.2800, 0.3190 by changing the saturation by 10% instead.

■ 29.1360, 0.2800,
0.3190

■ 29.1360, 0.2800,
0.3190

■ 297.8561, 0.2975,
0.3246

■ 19.1837, 0.2752,
0.3174

■ 58.2931, 0.2866,
0.3212

■ 11.8031, 0.2688,
0.3151

■ 78.2667, 0.2890,
0.3220

■ 6.6098, 0.2599,
0.3119

■ 102.3495, 0.2910,
0.3226

■ 3.2193, 0.2463,
0.3066

■ 130.9260, 0.2927,
0.3231

■ 1.2473, 0.2235,
0.2970

■ 164.3805, 0.2942,
0.3236

■ 0.0998, 0.0000,
0.1505

■ 203.0974, 0.2954,

■ 0.0000, 0.0000,

0.3240

0.0000

247.4612, 0.2965,
0.3243

■ 29.1360, 0.2800,
0.3190

■ 29.1360, 0.2800,
0.3190

■ 27.1913, 0.2661,
0.3139

■ 31.2914, 0.2946,
0.3238

■ 25.4447, 0.2533,
0.3084

■ 33.6624, 0.3095,
0.3281

■ 23.8874, 0.2417,
0.3027

■ 36.2584, 0.3246,
0.3321

■ 22.5086, 0.2316,
0.2968

■ 39.0869, 0.3397,
0.3356

■ 21.2963, 0.2233,
0.2907

■ 42.1550, 0.3545,
0.3388

■ 20.2368, 0.2168,
0.2846

■ 45.4698, 0.3689,
0.3416

■ 19.3140, 0.2122,
0.2786

■ 49.0377, 0.3828,
0.3440

■ 18.6521, 0.2094,
0.2738

■ 52.8652, 0.3961,
0.3462

■ 54.9605, 0.3999,
0.3487

Harmonies

Analogous

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



29.1360, 0.2887, 0.3354



29.1360, 0.2800, 0.3190



29.1360, 0.2798, 0.3060

Triad

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



29.1360, 0.2800, 0.3190



29.1360, 0.3210, 0.3090



29.1360, 0.3374, 0.3592

Complementary

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



29.1360, 0.2800, 0.3190



24.4194, 0.3543, 0.3388

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.



29.1360, 0.3467, 0.3510



29.1360, 0.2800, 0.3190



29.1360, 0.3371, 0.3222

Square

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



29.1360, 0.2800, 0.3190



29.1360, 0.3031, 0.3008



29.1360, 0.3466, 0.3374



29.1360, 0.3217, 0.3592

Rectangle

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



29.1360, 0.2800, 0.3190



29.1360, 0.2845, 0.3009



29.1360, 0.3466, 0.3374



29.1360, 0.3414, 0.3573

Sweetspot

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



29.1372, 0.2800, 0.3190



58.9167, 0.3020, 0.3260



30.2521, 0.3049, 0.3787



13.2301, 0.3012, 0.3258



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



29.1372, 0.2800, 0.3190



50.9529, 0.2724, 0.3163



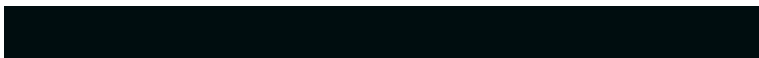
23.9292, 0.2779, 0.2895



7.3151, 0.2988, 0.3251



14.9877, 0.2095, 0.2743



0.3148, 0.2162, 0.2984

Inverse Universe

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



23.7155, 0.3219, 0.2842



39.2927, 0.3246, 0.2730



29.3683, 0.3487, 0.3656



6.7350, 0.3162, 0.3107



7.1352, 0.3687, 0.1805



0.1323, 0.3468, 0.1684

Previews

White Background



This preview shows how the Yxy color 29.1360, 0.2800, 0.3190 looks on a white background.

Color Contrast Check

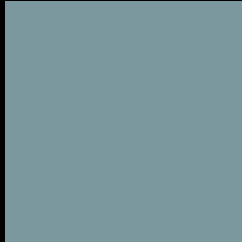
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.1360, 0.2800, 0.3190 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

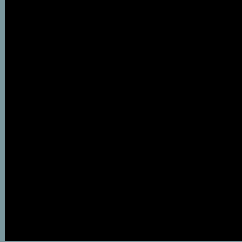
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

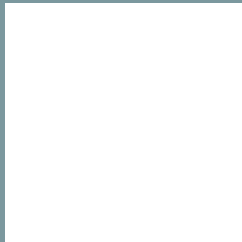
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 29.1360, 0.2800, 0.3190

Background



This preview shows how black text looks on a background with the Yxy color 29.1360, 0.2800, 0.3190.

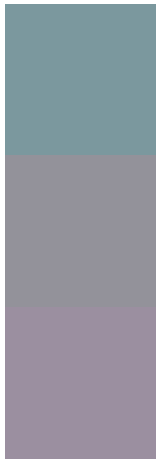


This preview shows how white text looks on a background with the Yxy color 29.1360, 0.2800, 0.3190.

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

29.1360, 0.2800, 0.3190

Protanopia

29.0939, 0.3061, 0.3164

Deuteranopia

29.1515, 0.3087, 0.3032



Tritanopia

29.0626, 0.2767, 0.3094

Trichromacy



Original Color

29.1360, 0.2800, 0.3190

Protanomaly

28.9496, 0.2962, 0.3177

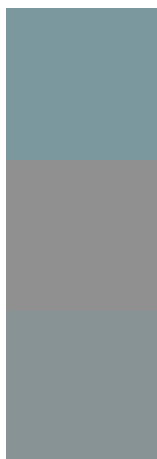
Deuteranomaly

28.9006, 0.2975, 0.3085

Tritanomaly

28.9915, 0.2783, 0.3126

Monochromacy



Original Color

29.1360, 0.2800, 0.3190

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

28.2716, 0.2997, 0.3257

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.1360, 0.2800, 0.3190 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(123, 152, 158)` looks like.

```
.text, #text, p{  
    color:rgb(123, 152, 158)  
}
```

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(123, 152, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 152, 158) }
```

Border

The CSS property to change the border of an element to Yxy 29.1360, 0.2800, 0.3190 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(123, 152, 158) }
```

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

```
.border{ border-color:rgb(123, 152, 158) }
```

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

Here you see how a box with a 4 pixel rgb(123, 152, 158) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 152, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 152, 158);  
box-shadow:4px 4px 4px 4px rgb(123, 152,  
158) }
```


Background

The CSS property to change the background color of an element to Yxy 29.1360, 0.2800, 0.3190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 152, 158) }
```

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

```
.background{ background-color: rgb(123,  
152, 158) }
```

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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