

Converting Colors

$Y_{xy}(28.0266, 0.2945, 0.3158)$

Have a look what the booklet for
Yxy(28.0266, 0.2945, 0.3158)
contains.

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Color

Yxy(28.0418, 0.2941, 0.3160)

Conversions

Conversions Part 1

Format	Color
Hex	87929A
RGB	135, 146, 154
RGB Percent	53%, 57%, 60%
CMY	0.4707, 0.4274, 0.3962
CMYK	0.12, 0.05, 0.00, 0.40
HSL	205°, 9%, 57%
HSV	205°, 12%, 60%
XYZ	26.0984, 28.0418, 34.5997
YIQ	143.6230, -9.1240, 0.1560

Conversions

Conversions Part 2

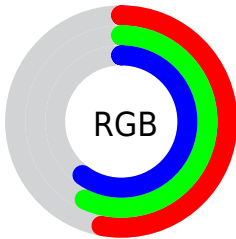
Format	Color
R_{YB}	135, 142, 154
Decimal	8884890
CIE _{Lab}	59.93, -2.29, -5.57
CIE _{LCh}	60, 6.022, 247.697
Y _{xy}	28.0418, 0.2941, 0.3160
Android (android.graphics.Color)	4287074970 (0xFF87929A)
YUV	143.6230, 5.1159, -7.5624
Hunter-Lab	52.9545, -4.6975, -1.6710

Details

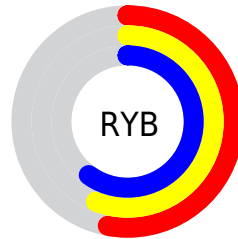
The Yxy color $28.0418, 0.2941, 0.3160$ is a dark color, and the websafe version is hex 999999 . A complement of this color would be $28.2429, 0.3328, 0.3417$, and the grayscale version is $27.7108, 0.3127, 0.3290$.

A 20% lighter version of the original color is $56.5540, 0.2979, 0.3193$, and $11.2763, 0.2873, 0.3122$ is the 20% darker color. If you saturate the color by 10%, you get $24.9230, 0.2787, 0.3042$, and if you desaturate by 10%, it is $31.4600, 0.3092, 0.3267$.

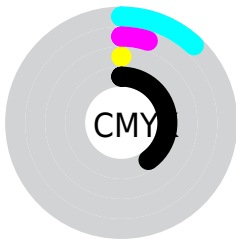
Distribution



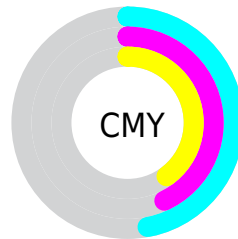
- Red (53%)
- Green (57%)
- Blue (60%)



- Red (53%)
- Yellow (56%)
- Blue (60%)



- Cyan (12%)
- Magenta (5%)
- Yellow (0%)
- Black (40%)



- Cyan (47%)
- Magenta (43%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.0418, 0.2941, 0.3160 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 28.0418, 0.2941, 0.3160 by changing the saturation by 10% instead.

■ 28.0418, 0.2941,
0.3160

■ 28.0418, 0.2941,
0.3160

■ 292.6666, 0.3042,
0.3231

■ 18.3572, 0.2913,
0.3140

■ 56.5512, 0.2980,
0.3187

■ 11.2067, 0.2875,
0.3113

■ 76.1447, 0.2993,
0.3197

■ 6.2061, 0.2822,
0.3074

■ 99.8100, 0.3005,
0.3205

■ 2.9708, 0.2739,
0.3013

■ 127.9314, 0.3014,
0.3212

■ 1.1165, 0.2595,
0.2905

■ 160.8934, 0.3023,
0.3218

■ 0.0000, 0.0000,
0.0000

199.0803, 0.3030,

0.3223

242.8766, 0.3036,
0.3227

■ 28.0418, 0.2941,
0.3160

■ 28.0418, 0.2941,
0.3160

■ 24.9230, 0.2787,
0.3042

■ 31.4600, 0.3092,
0.3267

■ 22.0904, 0.2633,
0.2913

■ 35.1832, 0.3239,
0.3362

■ 19.5347, 0.2481,
0.2774

■ 39.2215, 0.3379,
0.3447

■ 17.2450, 0.2337,
0.2626

■ 43.5832, 0.3513,
0.3522

■ 15.2090, 0.2203,
0.2471

■ 48.2763, 0.3639,
0.3589

■ 13.4138, 0.2085,
0.2312

■ 53.3085, 0.3757,
0.3647

■ 11.8444, 0.1985,
0.2152

■ 58.6873, 0.3867,
0.3697

■ 10.4835, 0.1906,
0.1995

■ 63.8163, 0.3944,
0.3746

■ 9.5517, 0.1855,
0.1877

■ 66.8227, 0.3917,
0.3811

Harmonies

Analogous

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



28.0418, 0.2941, 0.3233



28.0418, 0.2941, 0.3160



28.0418, 0.2990, 0.3123

Triad

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



28.0418, 0.2941, 0.3160



28.0418, 0.3266, 0.3255



28.0418, 0.3176, 0.3457

Complementary

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



28.0418, 0.2941, 0.3160



28.2429, 0.3328, 0.3417

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.



28.0418, 0.3264, 0.3460



28.0418, 0.2941, 0.3160



28.0418, 0.3317, 0.3342

Square

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



28.0418, 0.2941, 0.3160



28.0418, 0.3177, 0.3178



28.0418, 0.3317, 0.3417



28.0418, 0.3075, 0.3407

Rectangle

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



28.0418, 0.2941, 0.3160



28.0418, 0.3045, 0.3123



28.0418, 0.3317, 0.3417



28.0418, 0.3208, 0.3463

Sweetspot

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



28.0430, 0.2941, 0.3160



54.4722, 0.3066, 0.3249



30.2330, 0.3041, 0.3471



11.9317, 0.3056, 0.3242



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



28.0430, 0.2941, 0.3160



47.8460, 0.2896, 0.3127



25.2464, 0.2938, 0.3003



6.5923, 0.2989, 0.3195



7.8559, 0.1858, 0.1888



0.1892, 0.2042, 0.2551

Inverse Universe

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



26.2639, 0.3224, 0.3117



44.0906, 0.3251, 0.3074



31.2017, 0.3309, 0.3562



6.2798, 0.3198, 0.3162



6.1984, 0.4581, 0.2297



0.0999, 0.3871, 0.1906

Previews

White Background



This preview shows how the Yxy color 28.0418, 0.2941, 0.3160 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 28.0418, 0.2941, 0.3160 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

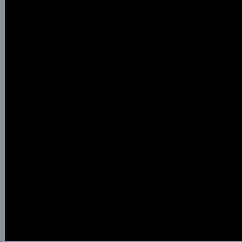
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

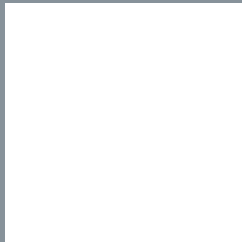
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 28.0418, 0.2941, 0.3160

Background



This preview shows how black text looks on a background with the Yxy color 28.0418, 0.2941, 0.3160.



This preview shows how white text looks on a background with the Yxy color 28.0418, 0.2941, 0.3160.

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

28.0418, 0.2941, 0.3160

Protanopia

27.8412, 0.3050, 0.3146

Deuteranopia

27.8950, 0.3117, 0.3058



Tritanopia

28.2263, 0.2924, 0.3112

Trichromacy



Original Color

28.0418, 0.2941, 0.3160

Protanomaly

27.9091, 0.3010, 0.3145

Deuteranomaly

27.8236, 0.3042, 0.3085

Tritanomaly

28.1923, 0.2933, 0.3128

Monochromacy



Original Color

28.0418, 0.2941, 0.3160

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

28.0516, 0.3057, 0.3241

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.0418, 0.2941, 0.3160 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(135, 146, 154)` looks like.

```
.text, #text, p{  
    color:rgb(135, 146, 154)  
}
```

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(135, 146, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 146, 154) }
```

Border

The CSS property to change the border of an element to Yxy 28.0418, 0.2941, 0.3160 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(135, 146, 154) }
```

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

```
.border{ border-color:rgb(135, 146, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 146, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 146, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 146, 154);  
box-shadow:4px 4px 4px 4px rgb(135, 146,  
154) }
```


Background

The CSS property to change the background color of an element to Yxy 28.0418, 0.2941, 0.3160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 146, 154) }
```

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

```
.background{ background-color: rgb(135,  
146, 154) }
```

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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