

Converting Colors

$Y_{xy}(12.8129, 0.2946, 0.3131)$

Have a look what the booklet for
Yxy(12.8129, 0.2946, 0.3131)
contains.

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Color

Yxy(12.8230, 0.2951, 0.3133)

Conversions

Conversions Part 1

Format	Color
Hex	5F656C
RGB	95, 101, 108
RGB Percent	37%, 40%, 42%
CMY	0.6275, 0.6039, 0.5764
CMYK	0.12, 0.06, 0.00, 0.58
HSL	212°, 6%, 40%
HSV	212°, 12%, 42%
XYZ	12.0781, 12.8230, 16.0277
YIQ	100.0040, -5.8230, 0.9050

Conversions

Conversions Part 2

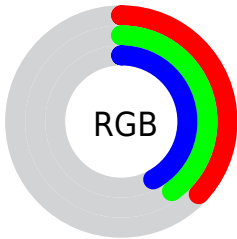
Format	Color
R_{YB}	95, 99, 108
Decimal	6251884
CIE Lab	42.50, -0.76, -4.75
CIE LCh	42, 4.807, 260.912
Yxy	12.8230, 0.2951, 0.3133
Android (android.graphics.Color)	4284441964 (0xFF5F656C)
YUV	100.0040, 3.9420, -4.3885
Hunter-Lab	35.8092, -2.4598, -1.4710

Details

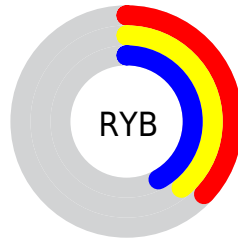
The Yxy color **12.8230, 0.2951, 0.3133** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.5120, 0.3311, 0.3442**, and the grayscale version is **12.7354, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.9794, 0.2995, 0.3181**, and **3.6282, 0.2859, 0.3026** is the 20% darker color. If you saturate the color by 10%, you get **11.1978, 0.2798, 0.2987**, and if you desaturate by 10%, it is **14.6090, 0.3098, 0.3265**.

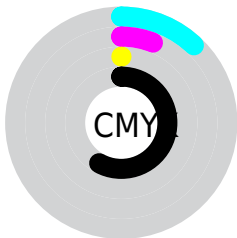
Distribution



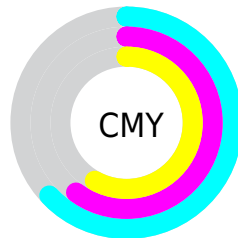
- Red (37%)
- Green (40%)
- Blue (42%)



- Red (37%)
- Yellow (39%)
- Blue (42%)



- Cyan (12%)
- Magenta (6%)
- Yellow (0%)
- Black (58%)



- Cyan (63%)
- Magenta (60%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.8230, 0.2951, 0.3133 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 12.8230, 0.2951, 0.3133 by changing the saturation by 10% instead.

■ 12.8230, 0.2951,
0.3133

■ 12.8230, 0.2951,
0.3133

■ 209.7802, 0.3057,
0.3228

■ 7.3068, 0.2915,
0.3101

■ 30.9854, 0.2996,
0.3173

■ 3.6547, 0.2861,
0.3052

■ 44.4004, 0.3010,
0.3186

■ 1.4823, 0.2769,
0.2968

■ 61.2171, 0.3022,
0.3197

■ 0.2762, 0.2117,
0.2396

■ 81.8199, 0.3032,
0.3205

■ 0.0000, 0.0000,
0.0000

■ 106.5933, 0.3040,
0.3213

■ 135.9215, 0.3047,

0.3219

170.1890, 0.3052,
0.3224

■ 12.8230, 0.2951,
0.3133

■ 12.8230, 0.2951,
0.3133

■ 11.1978, 0.2798,
0.2987

■ 14.6090, 0.3098,
0.3265

■ 9.7269, 0.2642,
0.2827

■ 16.5588, 0.3237,
0.3382

■ 8.4056, 0.2485,
0.2654

■ 18.6775, 0.3368,
0.3487

■ 7.2284, 0.2330,
0.2469

■ 20.9693, 0.3491,
0.3580

■ 6.1894, 0.2183,
0.2276

■ 23.4384, 0.3606,
0.3661

■ 5.2822, 0.2048,
0.2078

■ 26.0887, 0.3712,
0.3733

■ 4.4996, 0.1930,
0.1880

■ 28.9241, 0.3810,
0.3796

■ 3.8333, 0.1833,
0.1688

■ 31.9482, 0.3900,
0.3852

■ 3.3645, 0.1761,
0.1540

■ 35.1648, 0.3983,
0.3900

Harmonies

Analogous

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



12.8230, 0.2928, 0.3194



12.8230, 0.2951, 0.3133



12.8230, 0.3021, 0.3114

Triad

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



12.8230, 0.2951, 0.3133



12.8230, 0.3301, 0.3293



12.8230, 0.3131, 0.3445

Complementary

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



12.8230, 0.2951, 0.3133



13.5120, 0.3311, 0.3442

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.



12.8230, 0.3232, 0.3471



12.8230, 0.2951, 0.3133



12.8230, 0.3331, 0.3381

Square

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



12.8230, 0.2951, 0.3133



12.8230, 0.3223, 0.3206



12.8230, 0.3306, 0.3447



12.8230, 0.3031, 0.3376

Rectangle

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



12.8230, 0.2951, 0.3133



12.8230, 0.3085, 0.3128



12.8230, 0.3306, 0.3447



12.8230, 0.3166, 0.3459

Sweetspot

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



12.8235, 0.2951, 0.3133



24.9808, 0.3068, 0.3239



14.1161, 0.3027, 0.3425



5.9988, 0.3059, 0.3231



57.0482, 0.3127, 0.3290



6.3724, 0.3127, 0.3290

Same Dimension

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



12.8235, 0.2951, 0.3133



21.8251, 0.2916, 0.3101



11.7178, 0.2955, 0.2995



3.2345, 0.2997, 0.3175



3.9584, 0.1757, 0.1524



18.4659, 0.1730, 0.1426

Inverse Universe

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



12.3084, 0.3241, 0.3159



20.7824, 0.3265, 0.3133



14.7139, 0.3290, 0.3570



3.1379, 0.3209, 0.3194



4.0720, 0.5027, 0.2543



20.5764, 0.5156, 0.2614

Previews

White Background



This preview shows how the Yxy color 12.8230, 0.2951, 0.3133 looks on a white 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

Black Background



This preview shows how the Yxy color 12.8230, 0.2951, 0.3133 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

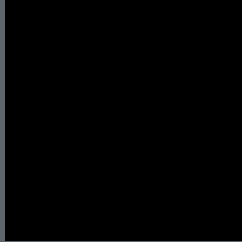
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

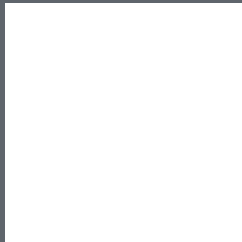
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 12.8230, 0.2951, 0.3133

Background



This preview shows how black text looks on a background with the Yxy color 12.8230, 0.2951, 0.3133.



This preview shows how white text looks on a background with the Yxy color 12.8230, 0.2951, 0.3133.

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

12.8230, 0.2951, 0.3133

Protanopia

12.8852, 0.3034, 0.3136

Deuteranopia

12.7177, 0.3095, 0.3033



Tritanopia

12.8444, 0.2939, 0.3111

Trichromacy



Original Color

12.8230, 0.2951, 0.3133

Protanomaly

12.7726, 0.3006, 0.3134

Deuteranomaly

12.6643, 0.3037, 0.3050

Tritanomaly

12.8444, 0.2939, 0.3111

Monochromacy



Original Color

12.8230, 0.2951, 0.3133

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

12.6903, 0.3058, 0.3223

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.8230, 0.2951, 0.3133 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(95, 101, 108) looks like.

```
.text, #text, p{  
    color:rgb(95, 101, 108)  
}
```

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(95, 101, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 101, 108) }
```

Border

The CSS property to change the border of an element to Yxy 12.8230, 0.2951, 0.3133 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(95, 101, 108) }
```

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

```
.border{ border-color:rgb(95, 101, 108) }
```

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

Here you see how a box with a 4 pixel rgb(95, 101, 108) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 101, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 101, 108);  
box-shadow:4px 4px 4px 4px rgb(95, 101,  
108) }
```


Background

The CSS property to change the background color of an element to Yxy 12.8230, 0.2951, 0.3133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 101, 108) }
```

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

```
.background{ background-color: rgb(95, 101,  
108) }
```

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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