

Converting Colors

$Y_{xy}(12.7408, 0.2580, 0.3290)$

Have a look what the booklet for
Yxy(12.7408, 0.2580, 0.3290)
contains.

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Color

Yxy(12.8320, 0.2577, 0.3288)

Conversions

Conversions Part 1

Format	Color
Hex	3E6C6C
RGB	62, 108, 108
RGB Percent	24%, 42%, 42%
CMY	0.7568, 0.5765, 0.5764
CMYK	0.43, 0.00, 0.00, 0.58
HSL	180°, 27%, 33%
HSV	180°, 43%, 42%
XYZ	10.0572, 12.8320, 16.1376
YIQ	94.2460, -27.4160, -9.7520

Conversions

Conversions Part 2

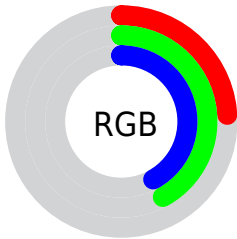
Format	Color
RYB	62, 85, 108
Decimal	4090988
CIELab	42.51, -15.70, -4.96
CIElCh	43, 16.468, 197.543
Yxy	12.8320, 0.2577, 0.3288
Android (android.graphics.Color)	4282281068 (0xFF3E6C6C)
YUV	94.2460, 6.7807, -28.2797
Hunter-Lab	35.8218, -12.5731, -1.6347

Details

The Yxy color **12.8320, 0.2577, 0.3288** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **6.9857, 0.4139, 0.3293**, and the grayscale version is **11.2445, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.1555, 0.2720, 0.3305**, and **3.6267, 0.2300, 0.3245** is the 20% darker color. If you saturate the color by 10%, you get **12.5165, 0.2481, 0.3288**, and if you desaturate by 10%, it is **13.2179, 0.2688, 0.3288**.

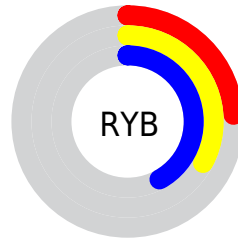
Distribution



Red (24%)

Green (42%)

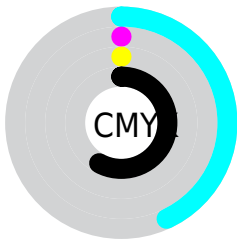
Blue (42%)



Red (24%)

Yellow (33%)

Blue (42%)

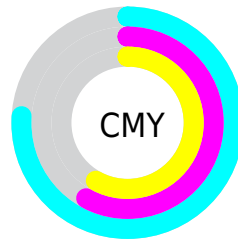


Cyan (43%)

Magenta (0%)

Yellow (0%)

Black (58%)



Cyan (76%)

Magenta (58%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.8320, 0.2577, 0.3288 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 12.8320, 0.2577, 0.3288 by changing the saturation by 10% instead.

12.8320, 0.2577,
0.3288

12.8320, 0.2577,
0.3288

209.8382, 0.2906,
0.3294

7.3130, 0.2468,
0.3283

31.0016, 0.2714,
0.3292

3.6586, 0.2307,
0.3271

44.4210, 0.2759,
0.3293

1.4845, 0.2045,
0.3243

61.2426, 0.2796,
0.3294

0.2778, 0.0000,
0.2996

81.8509, 0.2826,
0.3294

0.0000, 0.0000,
0.0000

106.6302, 0.2851,
0.3294

135.9649, 0.2872,

0.3294

170.2394, 0.2890,
0.3294

■ 12.8320, 0.2577,
0.3288

■ 12.8320, 0.2577,
0.3288

■ 12.5165, 0.2481,
0.3288

■ 13.2179, 0.2688,
0.3288

■ 12.2658, 0.2401,
0.3287

■ 13.6766, 0.2812,
0.3289

■ 12.0759, 0.2339,
0.3287

■ 14.2120, 0.2946,
0.3289

■ 11.9415, 0.2294,
0.3287

■ 14.8275, 0.3089,
0.3290

■ 11.8559, 0.2264,
0.3287

■ 15.5261, 0.3238,
0.3290

■ 11.8037, 0.2246,
0.3286

■ 16.3108, 0.3389,
0.3291

■ 17.1843, 0.3542,
0.3291

■ 18.1495, 0.3693,
0.3292

■ 19.2087, 0.3842,
0.3292

Harmonies

Analogous

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



12.8320, 0.2828, 0.3626



12.8320, 0.2577, 0.3288



12.8320, 0.2470, 0.2975

Triad

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



12.8320, 0.2577, 0.3288



12.8320, 0.3054, 0.2790



12.8320, 0.3758, 0.3791

Complementary

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



12.8320, 0.2577, 0.3288



6.9857, 0.4139, 0.3293

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.



12.8320, 0.3832, 0.3543



12.8320, 0.2577, 0.3288



12.8320, 0.3413, 0.2983

Square

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



12.8320, 0.2577, 0.3288



12.8320, 0.2732, 0.2711



12.8320, 0.3705, 0.3252



12.8320, 0.3510, 0.3920

Rectangle

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



12.8320, 0.2577, 0.3288



12.8320, 0.2488, 0.2824



12.8320, 0.3705, 0.3252



12.8320, 0.3804, 0.3717

Sweetspot

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



12.8325, 0.2577, 0.3288



24.8673, 0.2936, 0.3289



12.1006, 0.3070, 0.4518



5.9771, 0.2912, 0.3289



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.



12.8325, 0.2577, 0.3288



21.9786, 0.2483, 0.3288



8.6071, 0.2484, 0.2691



3.4917, 0.2997, 0.3290



14.0753, 0.2246, 0.3286



71.7172, 0.2246, 0.3286

Inverse Universe

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



7.7188, 0.3174, 0.2307



11.7195, 0.3183, 0.2105



10.0364, 0.3919, 0.3817



3.1639, 0.3137, 0.3085



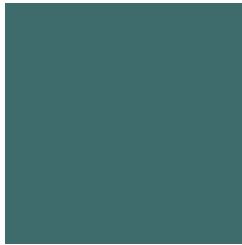
5.0933, 0.3210, 0.1542



25.9521, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 12.8320, 0.2577, 0.3288 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 12.8320, 0.2577, 0.3288 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

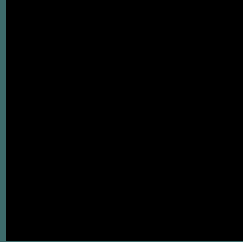
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.8320, 0.2577, 0.3288

Background



This preview shows how black text looks on a background with the Yxy color 12.8320, 0.2577, 0.3288.



This preview shows how white text looks on a background with the Yxy color 12.8320, 0.2577, 0.3288.

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

12.8320, 0.2577, 0.3288

Protanopia

12.6697, 0.3102, 0.3201

Deuteranopia

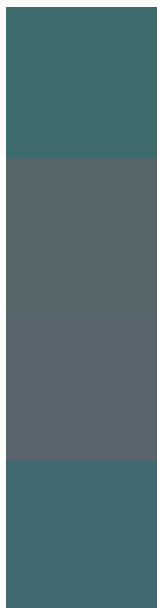
12.6784, 0.3067, 0.3011



Tritanopia

12.8432, 0.2525, 0.3098

Trichromacy



Original Color

12.8320, 0.2577, 0.3288

Protanomaly

12.5489, 0.2882, 0.3220

Deuteranomaly

12.5353, 0.2859, 0.3107

Tritanomaly

12.7420, 0.2544, 0.3168

Monochromacy



Original Color

12.8320, 0.2577, 0.3288

Achromatopsia

11.1932, 0.3127, 0.3290

Achromatomaly

11.6184, 0.2886, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.8320, 0.2577, 0.3288 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(62, 108, 108) looks like.

```
.text, #text, p{  
    color:rgb(62, 108, 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(62, 108, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 108, 108) }
```

Border

The CSS property to change the border of an element to Yxy 12.8320, 0.2577, 0.3288 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(62, 108, 108) }
```

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

```
.border{ border-color:rgb(62, 108, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 108, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 108, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 108, 108);  
box-shadow:4px 4px 4px 4px rgb(62, 108,  
108) }
```


Background

The CSS property to change the background color of an element to Yxy 12.8320, 0.2577, 0.3288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 108, 108) }
```

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

```
.background{ background-color: rgb(62, 108,  
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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