

Converting Colors

$Y_{xy}(12.8315, 0.2706, 0.3325)$

Have a look what the booklet for
Yxy(12.8315, 0.2706, 0.3325)
contains.

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Color

Yxy(12.9130, 0.2708, 0.3337)

Conversions

Conversions Part 1

Format	Color
Hex	486B69
RGB	72, 107, 105
RGB Percent	28%, 42%, 41%
CMY	0.7177, 0.5804, 0.5882
CMYK	0.33, 0.00, 0.02, 0.58
HSL	177°, 20%, 35%
HSV	177°, 33%, 42%
XYZ	10.4790, 12.9130, 15.3044
YIQ	96.3070, -20.2180, -8.0420

Conversions

Conversions Part 2

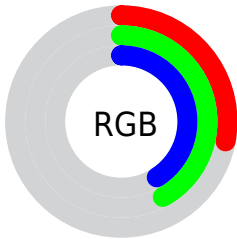
Format	Color
RYB	72, 90, 107
Decimal	4746089
CIELab	42.63, -12.97, -2.90
CIElCh	43, 13.291, 192.596
Yxy	12.9130, 0.2708, 0.3337
Android (android.graphics.Color)	4282936169 (0xFF486B69)
YUV	96.3070, 4.2856, -21.3172
Hunter-Lab	35.9347, -10.8328, -0.0971

Details

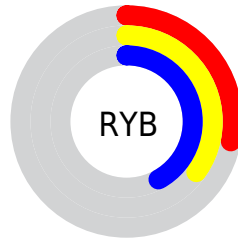
The Yxy color **12.9130, 0.2708, 0.3337** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **8.2532, 0.3781, 0.3245**, and the grayscale version is **11.7682, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.9916, 0.2814, 0.3322**, and **3.7439, 0.2504, 0.3372** is the 20% darker color. If you saturate the color by 10%, you get **12.5250, 0.2602, 0.3354**, and if you desaturate by 10%, it is **13.3738, 0.2826, 0.3321**.

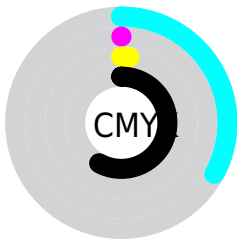
Distribution



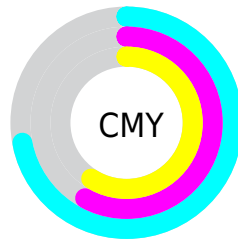
- Red (28%)
- Green (42%)
- Blue (41%)



- Red (28%)
- Yellow (35%)
- Blue (42%)



- Cyan (33%)
- Magenta (0%)
- Yellow (2%)
- Black (58%)



- Cyan (72%)
- Magenta (58%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.9130, 0.2708, 0.3337 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 12.9130, 0.2708, 0.3337 by changing the saturation by 10% instead.

12.9130, 0.2708,
0.3337

12.9130, 0.2708,
0.3337

210.3593, 0.2960,
0.3311

7.3687, 0.2624,
0.3344

31.1474, 0.2813,
0.3327

3.6937, 0.2499,
0.3353

44.6062, 0.2848,
0.3323

1.5037, 0.2291,
0.3363

61.4721, 0.2876,
0.3321

0.2914, 0.0000,
0.3592

82.1292, 0.2899,
0.3318

0.0000, 0.0000,
0.0000

106.9621, 0.2918,
0.3316

136.3552, 0.2934,

0.3314

170.6928, 0.2948,
0.3313

■ 12.9130, 0.2708,
0.3337

■ 12.9130, 0.2708,
0.3337

■ 12.5250, 0.2602,
0.3354

■ 13.3738, 0.2826,
0.3321

■ 12.2044, 0.2510,
0.3371

■ 13.9091, 0.2954,
0.3307

■ 11.9478, 0.2435,
0.3388

■ 14.5228, 0.3089,
0.3293

■ 11.7506, 0.2376,
0.3406

■ 15.2179, 0.3230,
0.3281

■ 11.6078, 0.2334,
0.3424

■ 15.9973, 0.3372,
0.3270

■ 11.5126, 0.2309,
0.3442

■ 16.8636, 0.3516,
0.3260

■ 11.4537, 0.2293,
0.3456

■ 17.8196, 0.3658,
0.3252

■ 18.8676, 0.3798,
0.3244

■ 20.0101, 0.3934,
0.3238

Harmonies

Analogous

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



12.9130, 0.2930, 0.3597



12.9130, 0.2708, 0.3337



12.9130, 0.2598, 0.3077

Triad

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



12.9130, 0.2708, 0.3337



12.9130, 0.3023, 0.2864



12.9130, 0.3656, 0.3671

Complementary

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



12.9130, 0.2708, 0.3337



8.2532, 0.3781, 0.3245

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.



12.9130, 0.3688, 0.3462



12.9130, 0.2708, 0.3337



12.9130, 0.3313, 0.3009

Square

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



12.9130, 0.2708, 0.3337



12.9130, 0.2772, 0.2819



12.9130, 0.3560, 0.3223



12.9130, 0.3479, 0.3789

Rectangle

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



12.9130, 0.2708, 0.3337



12.9130, 0.2598, 0.2942



12.9130, 0.3560, 0.3223



12.9130, 0.3685, 0.3608

Sweetspot

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



12.9135, 0.2708, 0.3337



25.1592, 0.2987, 0.3304



12.4527, 0.3116, 0.4183



6.0625, 0.2972, 0.3305



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.



12.9135, 0.2708, 0.3337



22.5961, 0.2629, 0.3349



10.0636, 0.2643, 0.2911



3.4891, 0.3004, 0.3302



13.9311, 0.2294, 0.3457



70.9410, 0.2297, 0.3468

Inverse Universe

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



8.2532, 0.3781, 0.3245



12.8975, 0.3998, 0.3235



10.4362, 0.3716, 0.3640



3.1193, 0.3265, 0.3278



3.8174, 0.6299, 0.3243



19.4083, 0.6357, 0.3276

Previews

White Background



This preview shows how the Yxy color 12.9130, 0.2708, 0.3337 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 12.9130, 0.2708, 0.3337 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

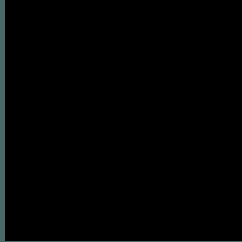
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 12.9130, 0.2708, 0.3337

Background



This preview shows how black text looks on a background with the Yxy color 12.9130, 0.2708, 0.3337.



This preview shows how white text looks on a background with the Yxy color 12.9130, 0.2708, 0.3337.

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

12.9130, 0.2708, 0.3337

Protanopia

12.8787, 0.3143, 0.3268

Deuteranopia

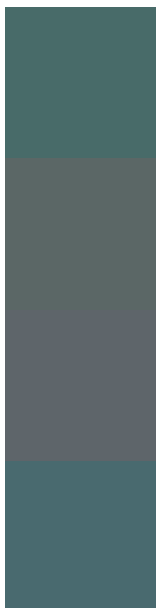
12.7367, 0.3137, 0.3076



Tritanopia

12.9788, 0.2633, 0.3102

Trichromacy



Original Color

12.9130, 0.2708, 0.3337

Protanomaly

12.8840, 0.2973, 0.3313

Deuteranomaly

12.7277, 0.2963, 0.3177

Tritanomaly

12.8722, 0.2653, 0.3171

Monochromacy



Original Color

12.9130, 0.2708, 0.3337

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

12.0414, 0.2955, 0.3313

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.9130, 0.2708, 0.3337 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(72, 107, 105)` looks like.

```
.text, #text, p{  
  color:rgb(72, 107, 105)  
}
```

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(72, 107, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 107, 105) }
```

Border

The CSS property to change the border of an element to Yxy 12.9130, 0.2708, 0.3337 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(72, 107, 105) }
```

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

```
.border{ border-color:rgb(72, 107, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 107, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 107, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 107, 105);  
box-shadow:4px 4px 4px 4px rgb(72, 107,  
105) }
```


Background

The CSS property to change the background color of an element to Yxy 12.9130, 0.2708, 0.3337 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 107, 105) }
```

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

```
.background{ background-color: rgb(72, 107,  
105) }
```

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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