

Converting Colors

$Y_{xy}(12.6975, 0.2588, 0.3383)$

Have a look what the booklet for
Yxy(12.6975, 0.2588, 0.3383)
contains.

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Color

Yxy(12.6544, 0.2588, 0.3388)

Conversions

Conversions Part 1

Format	Color
Hex	3B6C68
RGB	59, 108, 104
RGB Percent	23%, 42%, 41%
CMY	0.7685, 0.5765, 0.5922
CMYK	0.45, 0.00, 0.04, 0.58
HSL	175°, 29%, 33%
HSV	175°, 45%, 42%
XYZ	9.6663, 12.6544, 15.0299
YIQ	92.8930, -27.9200, -11.6320

Conversions

Conversions Part 2

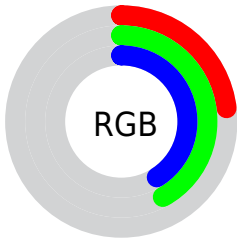
Format	Color
RYB	59, 85, 108
Decimal	3894376
CIELab	42.24, -17.64, -2.95
CIElCh	42, 17.883, 189.502
Yxy	12.6544, 0.2588, 0.3388
Android (android.graphics.Color)	4282084456 (0xFF3B6C68)
YUV	92.8930, 5.4758, -29.7242
Hunter-Lab	35.5730, -13.7485, -0.1494

Details

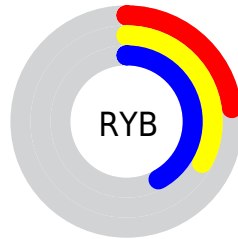
The Yxy color **12.6544, 0.2588, 0.3388** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **6.6787, 0.4144, 0.3201**, and the grayscale version is **10.9140, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.8232, 0.2727, 0.3373**, and **3.5529, 0.2315, 0.3420** is the 20% darker color. If you saturate the color by 10%, you get **12.3403, 0.2502, 0.3413**, and if you desaturate by 10%, it is **13.0380, 0.2688, 0.3364**.

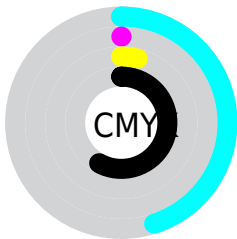
Distribution



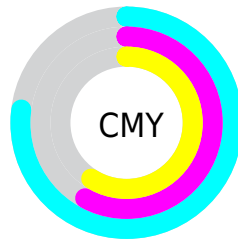
- Red (23%)
- Green (42%)
- Blue (41%)



- Red (23%)
- Yellow (33%)
- Blue (42%)



- Cyan (45%)
- Magenta (0%)
- Yellow (4%)
- Black (58%)




- Cyan (77%)
- Magenta (58%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.6544, 0.2588, 0.3388 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 12.6544, 0.2588, 0.3388 by changing the saturation by 10% instead.


 12.6544, 0.2588,
0.3388


 12.6544, 0.2588,
0.3388


 208.6907, 0.2912,
0.3332


 7.1910, 0.2480,
0.3404


 30.6815, 0.2723,
0.3366


 3.5818, 0.2319,
0.3426

 44.0140, 0.2768,
0.3358


 1.4425, 0.2054,
0.3456

 60.7383, 0.2804,
0.3352

 0.2477, 0.0000,
0.3422

 81.2388, 0.2834,
0.3347

 0.0000, 0.0000,
0.0000

 105.8999, 0.2858,
0.3342

 135.1060, 0.2879,

0.3338

169.2415, 0.2897,
0.3335

■ 12.6544, 0.2588,
0.3388

■ 12.6544, 0.2588,
0.3388

■ 12.3403, 0.2502,
0.3413

■ 13.0380, 0.2688,
0.3364

■ 12.0900, 0.2432,
0.3439

■ 13.4934, 0.2801,
0.3341

■ 11.8992, 0.2379,
0.3465


■ 14.0249, 0.2924,
0.3320


■ 11.7626, 0.2344,
0.3491

■ 14.6356, 0.3055,
0.3300

■ 11.6693, 0.2323,
0.3517

■ 15.3289, 0.3191,
0.3282

 11.6289, 0.2314,
0.3530

 16.1076, 0.3330,
0.3265

 16.9745, 0.3470,
0.3251

 17.9325, 0.3609,
0.3238

 18.9840, 0.3746,
0.3227

Harmonies

Analogous

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



12.6544, 0.2893, 0.3745



12.6544, 0.2588, 0.3388



12.6544, 0.2428, 0.3026

Triad

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



12.6544, 0.2588, 0.3388



12.6544, 0.2944, 0.2712



12.6544, 0.3857, 0.3769

Complementary

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



12.6544, 0.2588, 0.3388



6.6787, 0.4144, 0.3201

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.



12.6544, 0.3882, 0.3478



12.6544, 0.2588, 0.3388



12.6544, 0.3335, 0.2891

Square

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



12.6544, 0.2588, 0.3388



12.6544, 0.2622, 0.2664



12.6544, 0.3686, 0.3164



12.6544, 0.3630, 0.3957

Rectangle

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



12.6544, 0.2588, 0.3388



12.6544, 0.2416, 0.2839



12.6544, 0.3686, 0.3164



12.6544, 0.3890, 0.3679

Sweetspot

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



12.6549, 0.2588, 0.3388



24.7203, 0.2937, 0.3318



12.1012, 0.3115, 0.4591



5.9427, 0.2915, 0.3321



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.



12.6549, 0.2588, 0.3388



21.6598, 0.2501, 0.3413



8.9269, 0.2461, 0.2756



3.4879, 0.3007, 0.3307



13.8695, 0.2315, 0.3532



70.6104, 0.2319, 0.3547

Inverse Universe

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



6.6787, 0.4144, 0.3201



9.7734, 0.4512, 0.3185



9.1591, 0.4025, 0.3761



3.1204, 0.3261, 0.3273



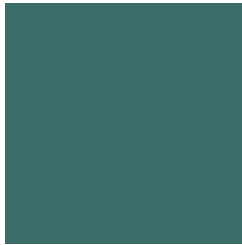
3.8237, 0.6256, 0.3220



19.4270, 0.6332, 0.3262

Previews

White Background



This preview shows how the Yxy color 12.6544, 0.2588, 0.3388 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 12.6544, 0.2588, 0.3388 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 12.6544, 0.2588, 0.3388

Background



This preview shows how black text looks on a background with the Yxy color 12.6544, 0.2588, 0.3388.



This preview shows how white text looks on a background with the Yxy color 12.6544, 0.2588, 0.3388.

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

12.6544, 0.2588, 0.3388

Protanopia

12.5912, 0.3157, 0.3290

Deuteranopia

12.4705, 0.3137, 0.3074



Tritanopia

12.5700, 0.2502, 0.3072

Trichromacy



Original Color

12.6544, 0.2588, 0.3388

Protanomaly

12.4208, 0.2917, 0.3313

Deuteranomaly

12.2581, 0.2907, 0.3174

Tritanomaly

12.6552, 0.2534, 0.3191

Monochromacy



Original Color

12.6544, 0.2588, 0.3388

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

11.3478, 0.2897, 0.3314

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.6544, 0.2588, 0.3388 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(59, 108, 104)` looks like.

```
.text, #text, p{  
    color:rgb(59, 108, 104)  
}
```

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(59, 108, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 108, 104) }
```

Border

The CSS property to change the border of an element to Yxy 12.6544, 0.2588, 0.3388 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(59, 108, 104) }
```

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

```
.border{ border-color:rgb(59, 108, 104) }
```

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

Here you see how a box with a 4 pixel rgb(59, 108, 104) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 108, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 108, 104);  
box-shadow:4px 4px 4px 4px rgb(59, 108,  
104) }
```


Background

The CSS property to change the background color of an element to Yxy 12.6544, 0.2588, 0.3388 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 108, 104) }
```

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

```
.background{ background-color: rgb(59, 108,  
104) }
```

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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