

Converting Colors

$Y_{xy}(13.4053, 0.2989, 0.4196)$

Have a look what the booklet for
Yxy(13.4053, 0.2989, 0.4196)
contains.

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Color

Yxy(13.3391, 0.2988, 0.4203)

Conversions

Conversions Part 1

Format	Color
Hex	44704C
RGB	68, 112, 76
RGB Percent	27%, 44%, 30%
CMY	0.7333, 0.5608, 0.7019
CMYK	0.39, 0.00, 0.32, 0.56
HSL	131°, 24%, 35%
HSV	131°, 39%, 44%
XYZ	9.4830, 13.3391, 8.9149
YIQ	94.7400, -14.6680, -20.5240

Conversions

Conversions Part 2

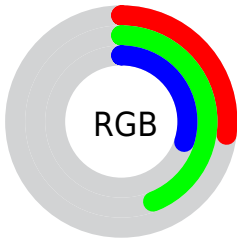
Format	Color
R_{YB}	68, 105, 112
Decimal	4485196
CIE _{Lab}	43.27, -23.57, 15.34
CIE _{LCh}	43, 28.124, 146.937
Yxy	13.3391, 0.2988, 0.4203
Android (android.graphics.Color)	4282675276 (0xFF44704C)
YUV	94.7400, -9.2388, -23.4510
Hunter-Lab	36.5227, -17.5677, 11.0936

Details

The Yxy color **13.3391, 0.2988, 0.4203** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **8.5786, 0.3310, 0.2524**, and the grayscale version is **11.4040, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.8831, 0.3033, 0.3956**, and **3.9144, 0.2886, 0.4768** is the 20% darker color. If you saturate the color by 10%, you get **12.8562, 0.2959, 0.4486**, and if you desaturate by 10%, it is **13.9182, 0.3021, 0.3937**.

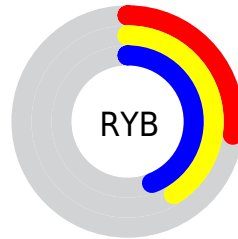
Distribution



Red (27%)

Green (44%)

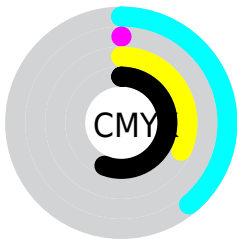
Blue (30%)



Red (27%)

Yellow (41%)

Blue (44%)

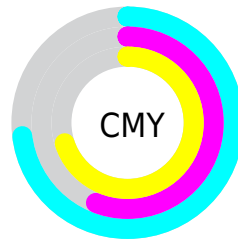


Cyan (39%)

Magenta (0%)

Yellow (32%)

Black (56%)



Cyan (73%)


Magenta (56%)


Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.3391, 0.2988, 0.4203 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 13.3391, 0.2988, 0.4203 by changing the saturation by 10% instead.


 13.3391, 0.2988,
0.4203


 13.3391, 0.2988,
0.4203


213.0796, 0.3084,
0.3629


 7.6625, 0.2946,
0.4411


 31.9117, 0.3033,
0.3954


 3.8797, 0.2873,
0.4740

 45.5764, 0.3047,
0.3875


 1.6065, 0.2779,
0.5438

 62.6726, 0.3057,
0.3812

 0.3620, 0.0000,
1.0000

 83.5847, 0.3065,
0.3761

 0.0000, 0.0000,
0.0000

 108.6970, 0.3071,
0.3720

138.3940, 0.3076,

0.3685

173.0601, 0.3081,
0.3655

■ 13.3391, 0.2988,
0.4203

■ 13.3391, 0.2988,
0.4203

■ 12.8562, 0.2959,
0.4486

■ 13.9182, 0.3021,
0.3937

■ 12.4627, 0.2936,
0.4778

■ 14.5967, 0.3057,
0.3692

■ 12.1534, 0.2922,
0.5065

■ 15.3795, 0.3094,
0.3472


■ 11.9221, 0.2919,
0.5333

■ 16.2708, 0.3130,
0.3277

■ 11.7616, 0.2926,
0.5566

■ 17.2745, 0.3165,
0.3105

 11.6481, 0.2936,
0.5756

 18.3944, 0.3198,
0.2954

 11.6406, 0.2936,
0.5768

 19.6341, 0.3229,
0.2822

 20.9970, 0.3258,
0.2708

 22.4863, 0.3285,
0.2608

Harmonies

Analogous

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



13.3391, 0.3571, 0.4380



13.3391, 0.2988, 0.4203



13.3391, 0.2472, 0.3688

Triad

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



13.3391, 0.2988, 0.4203



13.3391, 0.2229, 0.2387



13.3391, 0.4211, 0.3346

Complementary

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



13.3391, 0.2988, 0.4203



8.5786, 0.3310, 0.2524

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.



13.3391, 0.3781, 0.2909



13.3391, 0.2988, 0.4203



13.3391, 0.2617, 0.2379

Square

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



13.3391, 0.2988, 0.4203



13.3391, 0.2067, 0.2619



13.3391, 0.3180, 0.2567



13.3391, 0.4308, 0.3805

Rectangle

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



13.3391, 0.2988, 0.4203



13.3391, 0.2230, 0.3275



13.3391, 0.3180, 0.2567



13.3391, 0.4099, 0.3194

Sweetspot

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



13.3397, 0.2988, 0.4203



26.5810, 0.3083, 0.3536



14.9892, 0.3575, 0.4245



6.3547, 0.3079, 0.3557



58.7016, 0.3127, 0.3290



6.8385, 0.3127, 0.3290

Same Dimension

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



13.3397, 0.2988, 0.4203



22.6665, 0.2962, 0.4456



13.6870, 0.2759, 0.3647



3.7722, 0.3095, 0.3467



13.4542, 0.2939, 0.5779



66.9256, 0.2959, 0.5851

Inverse Universe

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



8.5786, 0.3310, 0.2524



13.0552, 0.3363, 0.2358



8.1987, 0.3724, 0.2965



3.4436, 0.3161, 0.3120



4.8646, 0.3709, 0.1817



24.1164, 0.3742, 0.1835

Previews

White Background



This preview shows how the Yxy color 13.3391, 0.2988, 0.4203 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 13.3391, 0.2988, 0.4203 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

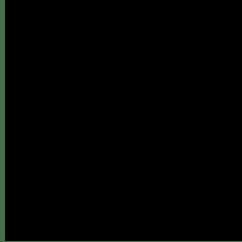
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.3391, 0.2988, 0.4203

Background



This preview shows how black text looks on a background with the Yxy color 13.3391, 0.2988, 0.4203.



This preview shows how white text looks on a background with the Yxy color 13.3391, 0.2988, 0.4203.

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

13.3391, 0.2988, 0.4203

Protanopia

13.2856, 0.3667, 0.3945

Deuteranopia

13.2218, 0.3734, 0.3688



Tritanopia

13.3128, 0.2637, 0.3082

Trichromacy



Original Color

13.3391, 0.2988, 0.4203

Protanomaly

13.2220, 0.3401, 0.4060

Deuteranomaly

12.9599, 0.3423, 0.3863

Tritanomaly

13.2933, 0.2767, 0.3482

Monochromacy



Original Color

13.3391, 0.2988, 0.4203

Achromatopsia

11.4435, 0.3127, 0.3290

Achromatomaly

11.9432, 0.3069, 0.3607

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.3391, 0.2988, 0.4203 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(68, 112, 76)` looks like.

```
.text, #text, p{  
    color:rgb(68, 112, 76)  
}
```

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(68, 112, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 112, 76) }
```

Border

The CSS property to change the border of an element to Yxy 13.3391, 0.2988, 0.4203 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(68, 112, 76) }
```

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

```
.border{ border-color:rgb(68, 112, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 112, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 112, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 112, 76);  
box-shadow:4px 4px 4px 4px rgb(68, 112,  
76) }
```


Background

The CSS property to change the background color of an element to Yxy 13.3391, 0.2988, 0.4203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 112, 76) }
```

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

```
.background{ background-color: rgb(68, 112,  
76) }
```

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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