

Converting Colors

$Y_{xy}(14.5417, 0.2917, 0.4207)$

Have a look what the booklet for
Yxy(14.5417, 0.2917, 0.4207)
contains.

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Color

Yxy(14.4256, 0.2916, 0.4210)

Conversions

Conversions Part 1

Format	Color
Hex	417550
RGB	65, 117, 80
RGB Percent	25%, 46%, 31%
CMY	0.7449, 0.5412, 0.6863
CMYK	0.44, 0.00, 0.32, 0.54
HSL	137°, 29%, 36%
HSV	137°, 44%, 46%
XYZ	9.9917, 14.4256, 9.8478
YIQ	97.2340, -19.1150, -22.5310

Conversions

Conversions Part 2

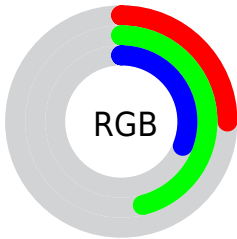
Format	Color
R _{YB}	65, 105, 117
Decimal	4289872
CIE _{Lab}	44.84, -26.25, 15.12
CIE _{LCh}	45, 30.293, 150.066
Yxy	14.4256, 0.2916, 0.4210
Android (android.graphics.Color)	4282479952 (0xFF417550)
YUV	97.2340, -8.4964, -28.2692
Hunter-Lab	37.9810, -19.5087, 11.2139

Details

The Yxy color **14.4256, 0.2916, 0.4210** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **8.5279, 0.3443, 0.2525**, and the grayscale version is **12.0425, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.6739, 0.2984, 0.3964**, and **4.3490, 0.2775, 0.4729** is the 20% darker color. If you saturate the color by 10%, you get **13.9515, 0.2882, 0.4464**, and if you desaturate by 10%, it is **14.9990, 0.2958, 0.3969**.

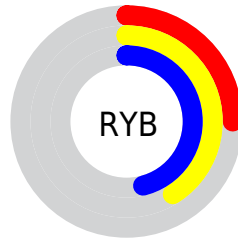
Distribution



Red (25%)

Green (46%)

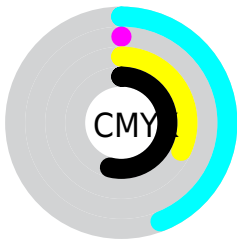
Blue (31%)



Red (25%)

Yellow (41%)

Blue (46%)

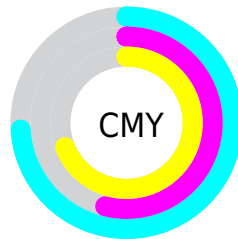


Cyan (44%)

Magenta (0%)

Yellow (32%)

Black (54%)



Cyan (74%)


Magenta (54%)

Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.4256, 0.2916, 0.4210 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 14.4256, 0.2916, 0.4210 by changing the saturation by 10% instead.


 14.4256, 0.2916,
0.4210


 14.4256, 0.2916,
0.4210


219.8627, 0.3055,
0.3637


 8.4173, 0.2861,
0.4415


 33.8423, 0.2978,
0.3964


 4.3631, 0.2771,
0.4733

 48.0195, 0.2998,
0.3884


 1.8787, 0.2612,
0.5317

 65.6884, 0.3012,
0.3821

 0.5355, 0.0000,
1.0000

 87.2334, 0.3024,
0.3770

 0.0000, 0.0000,
0.0000

 113.0389, 0.3034,
0.3728

143.4894, 0.3042,

0.3693

178.9692, 0.3049,
0.3663

■ 14.4256, 0.2916,
0.4210

■ 14.4256, 0.2916,
0.4210

■ 13.9515, 0.2882,
0.4464

■ 14.9990, 0.2958,
0.3969

■ 13.5691, 0.2858,
0.4725

■ 15.6750, 0.3005,
0.3747

■ 13.2727, 0.2848,
0.4983


■ 16.4591, 0.3054,
0.3545

■ 13.0551, 0.2851,
0.5227


■ 17.3559, 0.3105,
0.3363


■ 12.9059, 0.2868,
0.5445

■ 18.3696, 0.3155,
0.3202

 12.8351, 0.2877,
0.5557

 19.5043, 0.3204,
0.3060

 20.7638, 0.3251,
0.2936

 22.1519, 0.3296,
0.2827

 23.6721, 0.3339,
0.2732

Harmonies

Analogous

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



14.4256, 0.3526, 0.4436



14.4256, 0.2916, 0.4210



14.4256, 0.2394, 0.3640

Triad

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



14.4256, 0.2916, 0.4210



14.4256, 0.2221, 0.2336



14.4256, 0.4294, 0.3394

Complementary

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



14.4256, 0.2916, 0.4210



8.5279, 0.3443, 0.2525

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.



14.4256, 0.3872, 0.2935



14.4256, 0.2916, 0.4210



14.4256, 0.2647, 0.2352

Square

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



14.4256, 0.2916, 0.4210



14.4256, 0.2027, 0.2549



14.4256, 0.3248, 0.2567



14.4256, 0.4353, 0.3871

Rectangle

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



14.4256, 0.2916, 0.4210



14.4256, 0.2159, 0.3206



14.4256, 0.3248, 0.2567



14.4256, 0.4189, 0.3235

Sweetspot

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



14.4262, 0.2916, 0.4210



29.6373, 0.3060, 0.3524



15.9447, 0.3545, 0.4407



6.7515, 0.3050, 0.3559



60.3827, 0.3127, 0.3290



7.3239, 0.3127, 0.3290

Same Dimension

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



14.4262, 0.2916, 0.4210



24.9876, 0.2882, 0.4464



14.8822, 0.2659, 0.3555



4.1140, 0.3081, 0.3445



14.1403, 0.2879, 0.5565



68.7762, 0.2904, 0.5654

Inverse Universe

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



8.5279, 0.3443, 0.2525



12.9979, 0.3541, 0.2366



8.0939, 0.3973, 0.3050



3.7408, 0.3176, 0.3140



4.8576, 0.4064, 0.2012



23.5181, 0.4121, 0.2044

Previews

White Background



This preview shows how the Yxy color 14.4256, 0.2916, 0.4210 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 14.4256, 0.2916, 0.4210 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

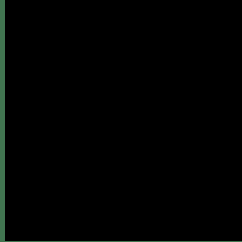
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 14.4256, 0.2916, 0.4210

Background



This preview shows how black text looks on a background with the Yxy color 14.4256, 0.2916, 0.4210.



This preview shows how white text looks on a background with the Yxy color 14.4256, 0.2916, 0.4210.

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

14.4256, 0.2916, 0.4210

Protanopia

14.3935, 0.3662, 0.3945

Deuteranopia

14.1428, 0.3718, 0.3656



Tritanopia

14.4247, 0.2583, 0.3087

Trichromacy



Original Color

14.4256, 0.2916, 0.4210

Protanomaly

14.1745, 0.3349, 0.4044

Deuteranomaly

13.9494, 0.3383, 0.3849

Tritanomaly

14.4148, 0.2706, 0.3477

Monochromacy



Original Color

14.4256, 0.2916, 0.4210

Achromatopsia

11.9538, 0.3127, 0.3290

Achromatomaly

12.5873, 0.3029, 0.3602

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.4256, 0.2916, 0.4210 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(65, 117, 80)` looks like.

```
.text, #text, p{  
    color:rgb(65, 117, 80)  
}
```

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(65, 117, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 117, 80) }
```

Border

The CSS property to change the border of an element to Yxy 14.4256, 0.2916, 0.4210 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(65, 117, 80) }
```

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

```
.border{ border-color:rgb(65, 117, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 117, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 117, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 117, 80);  
box-shadow:4px 4px 4px 4px rgb(65, 117,  
80) }
```


Background

The CSS property to change the background color of an element to Yxy 14.4256, 0.2916, 0.4210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 117, 80) }
```

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

```
.background{ background-color: rgb(65, 117,  
80) }
```

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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