

Converting Colors

$Yxy(13.5004, 0.2880, 0.3907)$

Have a look what the booklet for
Yxy(13.5004, 0.2880, 0.3907)
contains.

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Color

Yxy(13.5417, 0.2880, 0.3912)

Conversions

Conversions Part 1

Format	Color
Hex	457057
RGB	69, 112, 87
RGB Percent	27%, 44%, 34%
CMY	0.7294, 0.5608, 0.6588
CMYK	0.38, 0.00, 0.22, 0.56
HSL	145°, 24%, 35%
HSV	145°, 38%, 44%
XYZ	9.9693, 13.5417, 11.1047
YIQ	96.2930, -17.6030, -16.8910

Conversions

Conversions Part 2

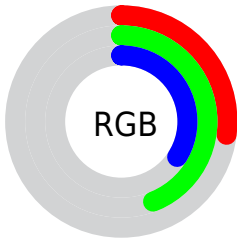
Format	Color
RYB	69, 99, 112
Decimal	4550743
CIELab	43.57, -20.96, 9.26
CIELCh	44, 22.914, 156.161
Yxy	13.5417, 0.2880, 0.3912
Android (android.graphics.Color)	4282740823 (0xFF457057)
YUV	96.2930, -4.5814, -23.9360
Hunter-Lab	36.7990, -16.0403, 7.8676

Details

The Yxy color **13.5417, 0.2880, 0.3912** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **8.5112, 0.3493, 0.2745**, and the grayscale version is **11.7877, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.2790, 0.2945, 0.3743**, and **3.9934, 0.2730, 0.4257** is the 20% darker color. If you saturate the color by 10%, you get **13.0688, 0.2829, 0.4110**, and if you desaturate by 10%, it is **14.1027, 0.2939, 0.3728**.

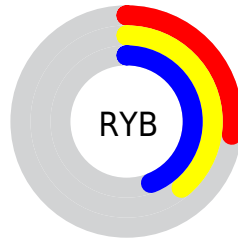
Distribution



Red (27%)

Green (44%)

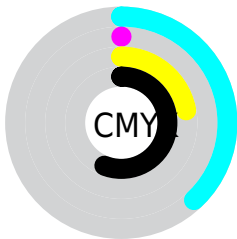
Blue (34%)



Red (27%)

Yellow (39%)

Blue (44%)

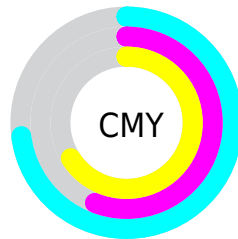


Cyan (38%)

Magenta (0%)

Yellow (22%)

Black (56%)



Cyan (73%)


Magenta (56%)

Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.5417, 0.2880, 0.3912 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 13.5417, 0.2880, 0.3912 by changing the saturation by 10% instead.


 13.5417, 0.2880,
0.3912


 13.5417, 0.2880,
0.3912


214.3608, 0.3035,
0.3526

 7.8026, 0.2824,
0.4050


 32.2736, 0.2947,
0.3746


 3.9689, 0.2736,
0.4266

 46.0352, 0.2968,
0.3692


 1.6562, 0.2577,
0.4649

 63.2398, 0.2985,
0.3650

 0.3950, 0.0000,
1.0000

 84.2717, 0.2999,
0.3615

 0.0000, 0.0000,
0.0000

 109.5153, 0.3010,
0.3587

139.3551, 0.3020,

0.3563

174.1755, 0.3028,
0.3543

■ 13.5417, 0.2880,
0.3912

■ 13.5417, 0.2880,
0.3912

■ 13.0688, 0.2829,
0.4110

■ 14.1027, 0.2939,
0.3728

■ 12.6777, 0.2788,
0.4319

■ 14.7543, 0.3003,
0.3559

■ 12.3638, 0.2761,
0.4535


■ 15.5011, 0.3070,
0.3406

■ 12.1216, 0.2750,
0.4751


■ 16.3469, 0.3138,
0.3269


■ 11.9445, 0.2756,
0.4960

■ 17.2951, 0.3206,
0.3147


 11.8128, 0.2773,
0.5160

 18.3492, 0.3272,
0.3039

 11.7925, 0.2775,
0.5191

 19.5122, 0.3336,
0.2945

 20.7873, 0.3398,
0.2861

 22.1775, 0.3456,
0.2788

Harmonies

Analogous

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



13.5417, 0.3356, 0.4153



13.5417, 0.2880, 0.3912



13.5417, 0.2490, 0.3462

Triad

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



13.5417, 0.2880, 0.3912



13.5417, 0.2467, 0.2523



13.5417, 0.4061, 0.3467

Complementary

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



13.5417, 0.2880, 0.3912



8.5112, 0.3493, 0.2745

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.



13.5417, 0.3787, 0.3087



13.5417, 0.2880, 0.3912



13.5417, 0.2844, 0.2565

Square

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



13.5417, 0.2880, 0.3912



13.5417, 0.2269, 0.2665



13.5417, 0.3328, 0.2767



13.5417, 0.4056, 0.3837

Rectangle

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



13.5417, 0.2880, 0.3912



13.5417, 0.2325, 0.3142



13.5417, 0.3328, 0.2767



13.5417, 0.3998, 0.3338

Sweetspot

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



13.5423, 0.2880, 0.3912



26.6951, 0.3044, 0.3464



14.4027, 0.3410, 0.4273



6.3839, 0.3037, 0.3478



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.



13.5423, 0.2880, 0.3912



23.0486, 0.2834, 0.4086



13.9458, 0.2656, 0.3373



3.7842, 0.3066, 0.3415



13.6284, 0.2779, 0.5204



67.7249, 0.2806, 0.5303

Inverse Universe

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



8.5112, 0.3493, 0.2745



12.8633, 0.3612, 0.2620



8.1784, 0.3927, 0.3212



3.4310, 0.3194, 0.3168



4.4209, 0.4553, 0.2282



21.8473, 0.4648, 0.2334

Previews

White Background



This preview shows how the Yxy color 13.5417, 0.2880, 0.3912 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 13.5417, 0.2880, 0.3912 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

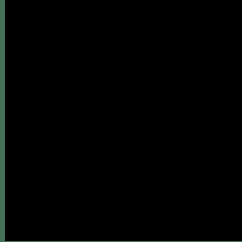
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.5417, 0.2880, 0.3912

Background



This preview shows how black text looks on a background with the Yxy color 13.5417, 0.2880, 0.3912.



This preview shows how white text looks on a background with the Yxy color 13.5417, 0.2880, 0.3912.

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

13.5417, 0.2880, 0.3912

Protanopia

13.3631, 0.3510, 0.3728

Deuteranopia

13.4438, 0.3531, 0.3480



Tritanopia

13.5460, 0.2630, 0.3083

Trichromacy



Original Color

13.5417, 0.2880, 0.3912

Protanomaly

13.3278, 0.3243, 0.3802

Deuteranomaly

13.3312, 0.3269, 0.3629

Tritanomaly

13.3944, 0.2714, 0.3360

Monochromacy



Original Color

13.5417, 0.2880, 0.3912

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

12.2715, 0.3018, 0.3506

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.5417, 0.2880, 0.3912 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(69, 112, 87)` looks like.

```
.text, #text, p{  
    color:rgb(69, 112, 87)  
}
```

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(69, 112, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 112, 87) }
```

Border

The CSS property to change the border of an element to Yxy 13.5417, 0.2880, 0.3912 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(69, 112, 87) }
```

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

```
.border{ border-color:rgb(69, 112, 87) }
```

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

Here you see how a box with a 4 pixel rgb(69, 112, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 112, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 112, 87);  
box-shadow:4px 4px 4px 4px rgb(69, 112,  
87) }
```


Background

The CSS property to change the background color of an element to Yxy 13.5417, 0.2880, 0.3912 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 112, 87) }
```

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

```
.background{ background-color: rgb(69, 112,  
87) }
```

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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