

Converting Colors

$Y_{xy}(13.6272, 0.2915, 0.3907)$

Have a look what the booklet for
Yxy(13.6272, 0.2915, 0.3907)
contains.

Yxy(13.6542, 0.2914, 0.3906)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(13.6542, 0.2914, 0.3906)

Conversions

Conversions Part 1

Format	Color
Hex	487057
RGB	72, 112, 87
RGB Percent	28%, 44%, 34%
CMY	0.7177, 0.5608, 0.6588
CMYK	0.36, 0.00, 0.22, 0.56
HSL	143°, 22%, 36%
HSV	143°, 36%, 44%
XYZ	10.1865, 13.6542, 11.1163
YIQ	97.1900, -15.8150, -16.2550

Conversions

Conversions Part 2

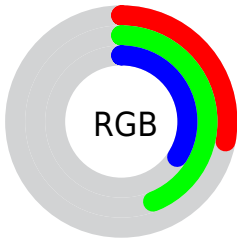
Format	Color
R_{YB}	72, 101, 112
Decimal	4747351
CIE _{Lab}	43.73, -19.97, 9.51
CIE _{LCh}	44, 22.118, 154.528
Yxy	13.6542, 0.2914, 0.3906
Android (android.graphics.Color)	4282937431 (0xFF487057)
YUV	97.1900, -5.0237, -22.0916
Hunter-Lab	36.9516, -15.4581, 8.0296

Details

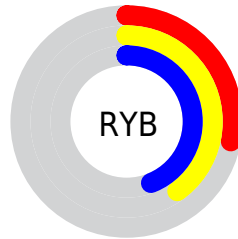
The Yxy color **13.6542, 0.2914, 0.3906** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **8.9412, 0.3428, 0.2748**, and the grayscale version is **12.0185, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.4946, 0.2971, 0.3740**, and **4.0406, 0.2785, 0.4243** is the 20% darker color. If you saturate the color by 10%, you get **13.1540, 0.2865, 0.4116**, and if you desaturate by 10%, it is **14.2451, 0.2970, 0.3711**.

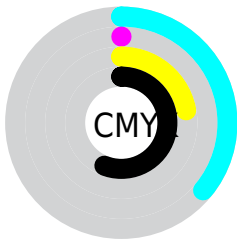
Distribution



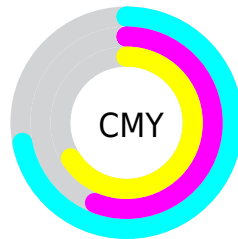
- Red (28%)
- Green (44%)
- Blue (34%)



- Red (28%)
- Yellow (40%)
- Blue (44%)



- Cyan (36%)
- Magenta (0%)
- Yellow (22%)
- Black (56%)




- Cyan (72%)
- Magenta (56%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.6542, 0.2914, 0.3906 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 13.6542, 0.2914, 0.3906 by changing the saturation by 10% instead.


 13.6542, 0.2914,
0.3906


 13.6542, 0.2914,
0.3906


215.0688, 0.3048,
0.3524


 7.8806, 0.2865,
0.4042


 32.4742, 0.2972,
0.3742


 4.0186, 0.2788,
0.4254

 46.2893, 0.2991,
0.3689


 1.6840, 0.2647,
0.4630

 63.5537, 0.3005,
0.3647

 0.4133, 0.0000,
1.0000

 84.6518, 0.3017,
0.3613

 0.0000, 0.0000,
0.0000

 109.9680, 0.3027,
0.3585

139.8866, 0.3035,

0.3561

174.7921, 0.3042,
0.3541

■ 13.6542, 0.2914,
0.3906

■ 13.6542, 0.2914,
0.3906

■ 13.1540, 0.2865,
0.4116

■ 14.2451, 0.2970,
0.3711

■ 12.7381, 0.2825,
0.4339

■ 14.9292, 0.3030,
0.3534

■ 12.4022, 0.2797,
0.4569

■ 15.7111, 0.3092,
0.3374

■ 12.1408, 0.2784,
0.4800

■ 16.5944, 0.3154,
0.3231

■ 11.9474, 0.2787,
0.5023

■ 17.5827, 0.3215,
0.3105

■ 11.8098, 0.2804,
0.5233

■ 18.6795, 0.3275,
0.2993

■ 11.7566, 0.2811,
0.5319

■ 19.8878, 0.3332,
0.2895

■ 21.2108, 0.3386,
0.2809

■ 22.6514, 0.3438,
0.2734

Harmonies

Analogous

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



13.6542, 0.3374, 0.4123



13.6542, 0.2914, 0.3906



13.6542, 0.2530, 0.3482

Triad

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



13.6542, 0.2914, 0.3906



13.6542, 0.2475, 0.2552



13.6542, 0.4018, 0.3443

Complementary

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



13.6542, 0.2914, 0.3906



8.9412, 0.3428, 0.2748

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.



13.6542, 0.3741, 0.3076



13.6542, 0.2914, 0.3906



13.6542, 0.2832, 0.2583

Square

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



13.6542, 0.2914, 0.3906



13.6542, 0.2293, 0.2701



13.6542, 0.3296, 0.2771



13.6542, 0.4029, 0.3802

Rectangle

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



13.6542, 0.2914, 0.3906



13.6542, 0.2363, 0.3173



13.6542, 0.3296, 0.2771



13.6542, 0.3952, 0.3318

Sweetspot

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



13.6548, 0.2914, 0.3906



26.8129, 0.3057, 0.3461



14.6167, 0.3421, 0.4192



6.4089, 0.3051, 0.3477



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.



13.6548, 0.2914, 0.3906



23.2370, 0.2872, 0.4082



14.0211, 0.2704, 0.3414



3.7820, 0.3071, 0.3424



13.5861, 0.2814, 0.5332



67.5229, 0.2842, 0.5430

Inverse Universe

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



8.9412, 0.3428, 0.2748



13.6177, 0.3525, 0.2619



8.6188, 0.3810, 0.3172



3.4333, 0.3188, 0.3159



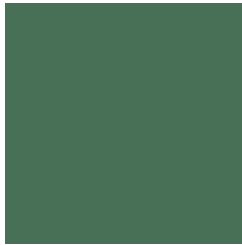
4.4887, 0.4384, 0.2189



22.1887, 0.4467, 0.2235

Previews

White Background



This preview shows how the Yxy color 13.6542, 0.2914, 0.3906 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 13.6542, 0.2914, 0.3906 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

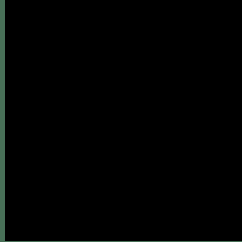
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.6542, 0.2914, 0.3906

Background



This preview shows how black text looks on a background with the Yxy color 13.6542, 0.2914, 0.3906.



This preview shows how white text looks on a background with the Yxy color 13.6542, 0.2914, 0.3906.

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

13.6542, 0.2914, 0.3906

Protanopia

13.5762, 0.3491, 0.3727

Deuteranopia

13.5134, 0.3547, 0.3479



Tritanopia

13.6292, 0.2651, 0.3084

Trichromacy



Original Color

13.6542, 0.2914, 0.3906

Protanomaly

13.4350, 0.3272, 0.3797

Deuteranomaly

13.3886, 0.3284, 0.3628

Tritanomaly

13.5144, 0.2747, 0.3360

Monochromacy



Original Color

13.6542, 0.2914, 0.3906

Achromatopsia

11.9538, 0.3127, 0.3290

Achromatomaly

12.3678, 0.3046, 0.3504

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.6542, 0.2914, 0.3906 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, 112, 87)` looks like.

```
.text, #text, p{  
    color:rgb(72, 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(72, 112, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 112, 87) }
```

Border

The CSS property to change the border of an element to Yxy 13.6542, 0.2914, 0.3906 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, 112, 87) }
```

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

```
.border{ border-color:rgb(72, 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(72, 112, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 112, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 112, 87);  
box-shadow:4px 4px 4px 4px rgb(72, 112,  
87) }
```


Background

The CSS property to change the background color of an element to Yxy 13.6542, 0.2914, 0.3906 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 112, 87) }
```

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

```
.background{ background-color: rgb(72, 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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