

Converting Colors

$Y_{xy}(13.7017, 0.3066, 0.3736)$

Have a look what the booklet for
Yxy(13.7017, 0.3066, 0.3736)
contains.

Yxy(13.7017, 0.3066, 0.3736)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(13.7017, 0.3066, 0.3736)

Conversions

Conversions Part 1

Format	Color
Hex	576D5A
RGB	87, 109, 90
RGB Percent	34%, 43%, 35%
CMY	0.6589, 0.5725, 0.6470
CMYK	0.20, 0.00, 0.17, 0.57
HSL	128°, 11%, 38%
HSV	128°, 20%, 43%
XYZ	11.2445, 13.7017, 11.7286
YIQ	100.2560, -7.0130, -10.5730

Conversions

Conversions Part 2

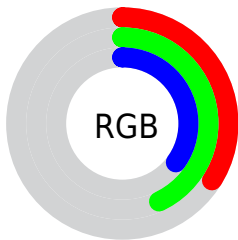
Format	Color
R _Y B	87, 106, 109
Decimal	5729626
CIE Lab	43.80, -12.31, 7.95
CIE LCh	44, 14.655, 147.165
Yxy	13.7017, 0.3066, 0.3736
Android (android.graphics.Color)	4283919706 (0xFF576D5A)
YUV	100.2560, -5.0562, -11.6255
Hunter-Lab	37.0158, -10.5538, 7.1248

Details

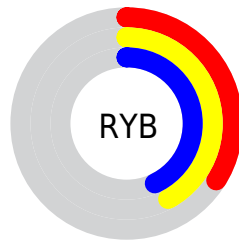
The Yxy color **13.7017, 0.3066, 0.3736** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **11.1065, 0.3195, 0.2881**, and the grayscale version is **12.8274, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.7016, 0.3083, 0.3627**, and **3.9908, 0.3031, 0.3982** is the 20% darker color. If you saturate the color by 10%, you get **13.0665, 0.3036, 0.3996**, and if you desaturate by 10%, it is **14.4375, 0.3097, 0.3502**.

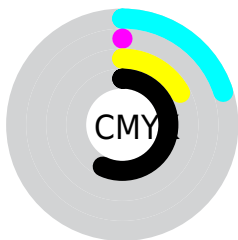
Distribution



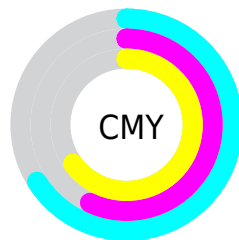
- Red (34%)
- Green (43%)
- Blue (35%)



- Red (34%)
- Yellow (42%)
- Blue (43%)



- Cyan (20%)
- Magenta (0%)
- Yellow (17%)
- Black (57%)





- Cyan (66%)
- Magenta (57%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.7017, 0.3066, 0.3736 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 13.7017, 0.3066, 0.3736 by changing the saturation by 10% instead.


 13.7017, 0.3066,
0.3736


 13.7017, 0.3066,
0.3736


215.3671, 0.3106,
0.3462


 7.9135, 0.3051,
0.3832


 32.5588, 0.3084,
0.3619


 4.0396, 0.3025,
0.3980

 46.3965, 0.3089,
0.3581


 1.6958, 0.2976,
0.4237

 63.6861, 0.3094,
0.3551

 0.4209, 0.1912,
0.8088

 84.8120, 0.3097,
0.3527

 0.0000, 0.0000,
0.0000

 110.1587, 0.3100,
0.3506

140.1105, 0.3102,

0.3489

175.0519, 0.3104,
0.3475

■ 13.7017, 0.3066,
0.3736

■ 13.7017, 0.3066,
0.3736

■ 13.0665, 0.3036,
0.3996

■ 14.4375, 0.3097,
0.3502

■ 12.5260, 0.3007,
0.4278

■ 15.2763, 0.3127,
0.3294

■ 12.0761, 0.2982,
0.4575

■ 16.2224, 0.3155,
0.3111

■ 11.7117, 0.2962,
0.4879

■ 17.2794, 0.3183,
0.2951

■ 11.4274, 0.2950,
0.5173

■ 18.4509, 0.3208,
0.2811

■ 11.2172, 0.2946,
0.5440

■ 19.7401, 0.3231,
0.2690

■ 11.0738, 0.2951,
0.5664

■ 21.1501, 0.3253,
0.2585

■ 10.9724, 0.2954,
0.5835

■ 22.6840, 0.3273,
0.2493

■ 24.3447, 0.3292,
0.2414

Harmonies

Analogous

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



13.7017, 0.3373, 0.3840



13.7017, 0.3066, 0.3736



13.7017, 0.2785, 0.3492

Triad

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



13.7017, 0.3066, 0.3736



13.7017, 0.2644, 0.2806



13.7017, 0.3683, 0.3342

Complementary

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



13.7017, 0.3066, 0.3736



11.1065, 0.3195, 0.2881

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.



13.7017, 0.3469, 0.3092



13.7017, 0.3066, 0.3736



13.7017, 0.2865, 0.2791

Square

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



13.7017, 0.3066, 0.3736



13.7017, 0.2550, 0.2948



13.7017, 0.3166, 0.2895



13.7017, 0.3739, 0.3591

Rectangle

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



13.7017, 0.3066, 0.3736



13.7017, 0.2648, 0.3294



13.7017, 0.3166, 0.2895



13.7017, 0.3627, 0.3256

Sweetspot

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



13.7023, 0.3066, 0.3736



26.4332, 0.3109, 0.3415



14.6943, 0.3370, 0.3768



6.1361, 0.3107, 0.3424



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.



13.7023, 0.3066, 0.3736



24.0039, 0.3052, 0.3849



13.9021, 0.2936, 0.3475



3.4509, 0.3100, 0.3474



12.8304, 0.2957, 0.5845



65.2974, 0.2974, 0.5908

Inverse Universe

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



11.1065, 0.3195, 0.2881



18.4962, 0.3212, 0.2789



10.8937, 0.3367, 0.3113



3.1571, 0.3155, 0.3112



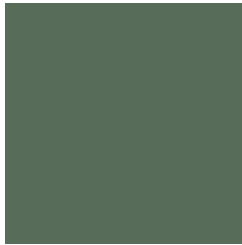
4.7457, 0.3574, 0.1742



24.0869, 0.3597, 0.1755

Previews

White Background



This preview shows how the Yxy color 13.7017, 0.3066, 0.3736 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 13.7017, 0.3066, 0.3736 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

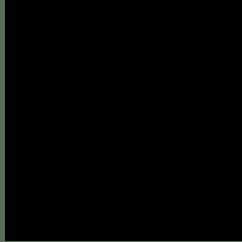
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.7017, 0.3066, 0.3736

Background



This preview shows how black text looks on a background with the Yxy color 13.7017, 0.3066, 0.3736.



This preview shows how white text looks on a background with the Yxy color 13.7017, 0.3066, 0.3736.

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

13.7017, 0.3066, 0.3736

Protanopia

13.6398, 0.3435, 0.3638

Deuteranopia

13.6690, 0.3497, 0.3458



Tritanopia

13.7471, 0.2831, 0.3113

Trichromacy



Original Color

13.7017, 0.3066, 0.3736

Protanomaly

13.5744, 0.3295, 0.3672

Deuteranomaly

13.5200, 0.3334, 0.3554

Tritanomaly

13.7090, 0.2925, 0.3335

Monochromacy



Original Color

13.7017, 0.3066, 0.3736

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

12.9779, 0.3105, 0.3450

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.7017, 0.3066, 0.3736 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(87, 109, 90)` looks like.

```
.text, #text, p{  
    color:rgb(87, 109, 90)  
}
```

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(87, 109, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 109, 90) }
```

Border

The CSS property to change the border of an element to Yxy 13.7017, 0.3066, 0.3736 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(87, 109, 90) }
```

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

```
.border{ border-color:rgb(87, 109, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 109, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 109, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 109, 90);  
box-shadow:4px 4px 4px 4px rgb(87, 109,  
90) }
```


Background

The CSS property to change the background color of an element to Yxy 13.7017, 0.3066, 0.3736 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 109, 90) }
```

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

```
.background{ background-color: rgb(87, 109,  
90) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor