

Converting Colors

$Y_{xy}(13.2728, 0.3105, 0.3770)$

Have a look what the booklet for
Yxy(13.2728, 0.3105, 0.3770)
contains.

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Color

Yxy(13.2297, 0.3105, 0.3766)

Conversions

Conversions Part 1

Format	Color
Hex	576B57
RGB	87, 107, 87
RGB Percent	34%, 42%, 34%
CMY	0.6588, 0.5804, 0.6589
CMYK	0.19, 0.00, 0.19, 0.58
HSL	120°, 10%, 38%
HSV	120°, 19%, 42%
XYZ	10.9077, 13.2297, 10.9920
YIQ	98.7400, -5.5000, -10.4600

Conversions

Conversions Part 2

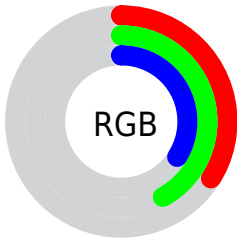
Format	Color
R _Y B	87, 107, 107
Decimal	5729111
CIE Lab	43.11, -11.79, 8.78
CIE LCh	43, 14.706, 143.324
Yxy	13.2297, 0.3105, 0.3766
Android (android.graphics.Color)	4283919191 (0xFF576B57)
YUV	98.7400, -5.7878, -10.2960
Hunter-Lab	36.3727, -10.1225, 7.5432

Details

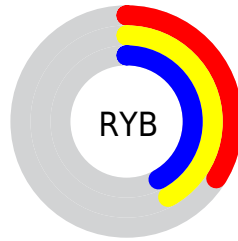
The Yxy color **13.2297, 0.3105, 0.3766** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **11.0008, 0.3147, 0.2856**, and the grayscale version is **12.4242, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.5782, 0.3111, 0.3631**, and **3.8703, 0.3071, 0.4031** is the 20% darker color. If you saturate the color by 10%, you get **12.5910, 0.3091, 0.4064**, and if you desaturate by 10%, it is **13.9717, 0.3117, 0.3498**.

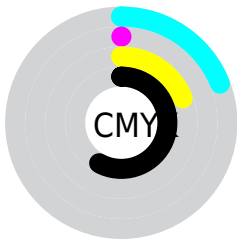
Distribution



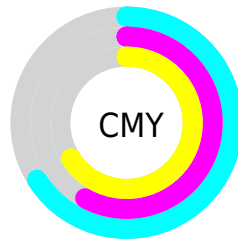
- Red (34%)
- Green (42%)
- Blue (34%)



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



- Cyan (19%)
- Magenta (0%)
- Yellow (19%)
- Black (58%)




- Cyan (66%)
- Magenta (58%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.2297, 0.3105, 0.3766 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 13.2297, 0.3105, 0.3766 by changing the saturation by 10% instead.


 13.2297, 0.3105,
0.3766


 13.2297, 0.3105,
0.3766


212.3846, 0.3122,
0.3472


 7.5869, 0.3097,
0.3870


 31.7158, 0.3113,
0.3640


 3.8318, 0.3082,
0.4031

 45.3280, 0.3116,
0.3600

 1.5799, 0.3049,
0.4314

 62.3653, 0.3117,
0.3567

 0.3440, 0.1019,
0.8981

 83.2123, 0.3119,
0.3541

 0.0000, 0.0000,
0.0000

 108.2534, 0.3120,
0.3519

137.8728, 0.3121,

0.3501

172.4551, 0.3121,
0.3486

■ 13.2297, 0.3105,
0.3766

■ 13.2297, 0.3105,
0.3766

■ 12.5910, 0.3091,
0.4064

■ 13.9717, 0.3117,
0.3498

■ 12.0495, 0.3076,
0.4386

■ 14.8195, 0.3129,
0.3261

■ 11.6009, 0.3060,
0.4724

■ 15.7777, 0.3138,
0.3054

■ 11.2399, 0.3045,
0.5059

■ 16.8501, 0.3146,
0.2875

■ 10.9610, 0.3030,
0.5371

■ 18.0401, 0.3154,
0.2719

■ 10.7575, 0.3017,
0.5635

■ 19.3513, 0.3160,
0.2585

■ 10.6222, 0.3008,
0.5832

■ 20.7869, 0.3165,
0.2470

■ 10.5287, 0.3001,
0.5980

■ 22.3501, 0.3170,
0.2370

■ 10.5167, 0.3000,
0.6000

■ 24.0440, 0.3174,
0.2283

Harmonies

Analogous

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



13.2297, 0.3414, 0.3850



13.2297, 0.3105, 0.3766



13.2297, 0.2812, 0.3532

Triad

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



13.2297, 0.3105, 0.3766



13.2297, 0.2617, 0.2810



13.2297, 0.3672, 0.3309

Complementary

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



13.2297, 0.3105, 0.3766



11.0008, 0.3147, 0.2856

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.



13.2297, 0.3438, 0.3060



13.2297, 0.3105, 0.3766



13.2297, 0.2826, 0.2779

Square

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



13.2297, 0.3105, 0.3766



13.2297, 0.2540, 0.2969



13.2297, 0.3125, 0.2870



13.2297, 0.3751, 0.3565

Rectangle

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



13.2297, 0.3105, 0.3766



13.2297, 0.2664, 0.3333



13.2297, 0.3125, 0.2870



13.2297, 0.3608, 0.3222

Sweetspot

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



13.2303, 0.3105, 0.3766



25.3834, 0.3120, 0.3435



14.2608, 0.3392, 0.3719



6.1280, 0.3120, 0.3446



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.



13.2303, 0.3105, 0.3766



23.2195, 0.3100, 0.3879



13.3985, 0.2986, 0.3531



3.4449, 0.3117, 0.3504



12.7931, 0.3000, 0.6000



65.1849, 0.3000, 0.6000

Inverse Universe

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



11.0008, 0.3147, 0.2856



18.5181, 0.3152, 0.2764



10.8091, 0.3297, 0.3061



3.1638, 0.3137, 0.3084



5.0890, 0.3208, 0.1541



25.9293, 0.3208, 0.1541

Previews

White Background



This preview shows how the Yxy color 13.2297, 0.3105, 0.3766 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 13.2297, 0.3105, 0.3766 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

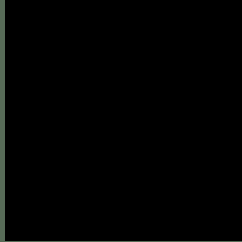
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.2297, 0.3105, 0.3766

Background



This preview shows how black text looks on a background with the Yxy color 13.2297, 0.3105, 0.3766.



This preview shows how white text looks on a background with the Yxy color 13.2297, 0.3105, 0.3766.

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

13.2297, 0.3105, 0.3766

Protanopia

13.0733, 0.3455, 0.3667

Deuteranopia

13.1696, 0.3535, 0.3481



Tritanopia

13.2946, 0.2852, 0.3111

Trichromacy



Original Color

13.2297, 0.3105, 0.3766

Protanomaly

13.0657, 0.3327, 0.3700

Deuteranomaly

13.0152, 0.3367, 0.3580

Tritanomaly

13.2561, 0.2948, 0.3335

Monochromacy



Original Color

13.2297, 0.3105, 0.3766

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

12.7619, 0.3120, 0.3451

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.2297, 0.3105, 0.3766 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, 107, 87)` looks like.

```
.text, #text, p{  
    color:rgb(87, 107, 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(87, 107, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 107, 87) }
```

Border

The CSS property to change the border of an element to Yxy 13.2297, 0.3105, 0.3766 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, 107, 87) }
```

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

```
.border{ border-color:rgb(87, 107, 87) }
```

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

Here you see how a box with a 4 pixel rgb(87, 107, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 107, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 107, 87);  
box-shadow:4px 4px 4px 4px rgb(87, 107,  
87) }
```


Background

The CSS property to change the background color of an element to Yxy 13.2297, 0.3105, 0.3766 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 107, 87) }
```

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

```
.background{ background-color: rgb(87, 107,  
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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