

Converting Colors

$Y_{xy}(13.4257, 0.3220, 0.3408)$

Have a look what the booklet for
Yxy(13.4257, 0.3220, 0.3408)
contains.

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Color

Yxy(13.5066, 0.3222, 0.3422)

Conversions

Conversions Part 1

Format	Color
Hex	686761
RGB	104, 103, 97
RGB Percent	41%, 40%, 38%
CMY	0.5921, 0.5961, 0.6196
CMYK	0.00, 0.01, 0.07, 0.59
HSL	51°, 3%, 39%
HSV	51°, 7%, 41%
XYZ	12.7172, 13.5066, 13.2461
YIQ	102.6150, 2.5220, -1.6540

Conversions

Conversions Part 2

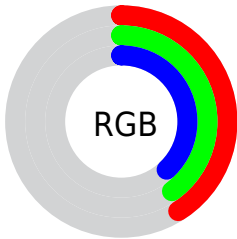
Format	Color
RYB	98, 104, 97
Decimal	6842209
CIELab	43.52, -0.80, 3.52
CIELCh	44, 3.606, 102.892
Yxy	13.5066, 0.3222, 0.3422
Android (android.graphics.Color)	4285032289 (0xFF686761)
YUV	102.6150, -2.7682, 1.2146
Hunter-Lab	36.7513, -2.5478, 4.3563

Details

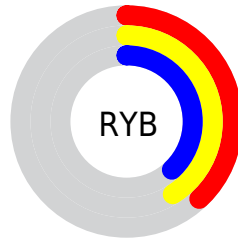
The Yxy color **13.5066, 0.3222, 0.3422** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.2772, 0.3031, 0.3154**, and the grayscale version is **13.4641, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.2179, 0.3193, 0.3382**, and **3.9372, 0.3264, 0.3474** is the 20% darker color. If you saturate the color by 10%, you get **13.0319, 0.3370, 0.3624**, and if you desaturate by 10%, it is **14.0132, 0.3083, 0.3228**.

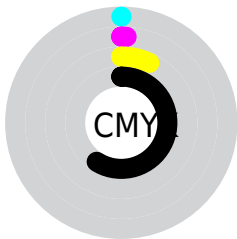
Distribution



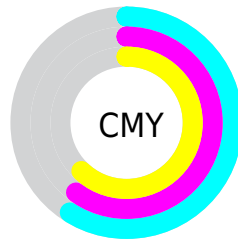
- Red (41%)
- Green (40%)
- Blue (38%)



- Red (38%)
- Yellow (41%)
- Blue (38%)



- Cyan (0%)
- Magenta (1%)
- Yellow (7%)
- Black (59%)



- Cyan (59%)
- Magenta (60%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 13.5066, 0.3222, 0.3422 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 13.5066, 0.3222, 0.3422 by changing the saturation by 10% instead.

■ 13.5066, 0.3222,
0.3422

■ 13.5066, 0.3222,
0.3422

■ 214.1394, 0.3165,
0.3342

■ 7.7783, 0.3241,
0.3449

■ 32.2110, 0.3198,
0.3389

■ 3.9534, 0.3270,
0.3489

■ 45.9558, 0.3190,
0.3378

■ 1.6475, 0.3318,
0.3557

■ 63.1417, 0.3184,
0.3369

■ 0.3893, 0.3818,
0.4242

■ 84.1529, 0.3179,
0.3362

■ 0.0000, 0.0000,
0.0000

■ 109.3739, 0.3174,
0.3356

■ 139.1890, 0.3171,

0.3351

173.9827, 0.3168,
0.3346

■ 13.5066, 0.3222,
0.3422

■ 13.5066, 0.3222,
0.3422

■ 13.0319, 0.3370,
0.3624

■ 14.0132, 0.3083,
0.3228

■ 12.5863, 0.3524,
0.3830

■ 14.5509, 0.2953,
0.3043

■ 12.1693, 0.3682,
0.4035

■ 15.1213, 0.2834,
0.2871

■ 11.7799, 0.3838,
0.4231

■ 15.7250, 0.2725,
0.2711

■ 11.4167, 0.3989,
0.4411

■ 16.3631, 0.2626,
0.2563

■ 11.0784, 0.4128,
0.4566

■ 17.0362, 0.2536,
0.2428

■ 10.7635, 0.4249,
0.4689

■ 17.7453, 0.2454,
0.2304

■ 10.4703, 0.4348,
0.4774

■ 18.4909, 0.2381,
0.2191

■ 10.1941, 0.4428,
0.4828

■ 19.2738, 0.2315,
0.2088

Harmonies

Analogous

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



13.5066, 0.3268, 0.3396



13.5066, 0.3222, 0.3422



13.5066, 0.3151, 0.3413

Triad

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



13.5066, 0.3222, 0.3422



13.5066, 0.2982, 0.3236



13.5066, 0.3179, 0.3213

Complementary

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



13.5066, 0.3222, 0.3422



12.2772, 0.3031, 0.3154

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.



13.5066, 0.3102, 0.3171



13.5066, 0.3222, 0.3422



13.5066, 0.2989, 0.3184

Square

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



13.5066, 0.3222, 0.3422



13.5066, 0.3013, 0.3304



13.5066, 0.3032, 0.3161



13.5066, 0.3242, 0.3275

Rectangle

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



13.5066, 0.3222, 0.3422



13.5066, 0.3100, 0.3387



13.5066, 0.3032, 0.3161



13.5066, 0.3154, 0.3196

Sweetspot

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



13.5072, 0.3222, 0.3422



24.1034, 0.3156, 0.3330



12.3758, 0.3218, 0.3267



5.8843, 0.3153, 0.3327



55.4222, 0.3127, 0.3290



5.9254, 0.3127, 0.3290

Same Dimension

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



13.5072, 0.3222, 0.3422



23.5672, 0.3244, 0.3452



13.5634, 0.3185, 0.3445



3.2046, 0.3253, 0.3465



12.4211, 0.4458, 0.4843



63.8093, 0.4476, 0.4828

Inverse Universe

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



12.2772, 0.3031, 0.3154



20.9567, 0.3009, 0.3123



12.2274, 0.3067, 0.3133



2.8212, 0.2999, 0.3108



1.6159, 0.1545, 0.0763



7.6109, 0.1527, 0.0698

Previews

White Background



This preview shows how the Yxy color 13.5066, 0.3222, 0.3422 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 13.5066, 0.3222, 0.3422 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

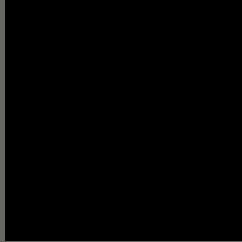
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.5066, 0.3222, 0.3422

Background



This preview shows how black text looks on a background with the Yxy color 13.5066, 0.3222, 0.3422.



This preview shows how white text looks on a background with the Yxy color 13.5066, 0.3222, 0.3422.

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

13.5066, 0.3222, 0.3422

Protanopia

13.4300, 0.3253, 0.3399

Deuteranopia

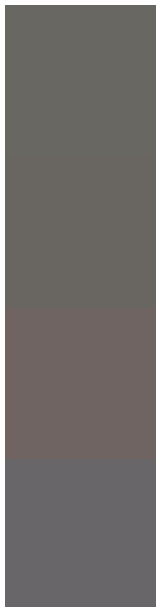
13.4504, 0.3382, 0.3312



Tritanopia

13.4757, 0.3092, 0.3119

Trichromacy



Original Color

13.5066, 0.3222, 0.3422

Protanomaly

13.3691, 0.3239, 0.3400

Deuteranomaly

13.3757, 0.3319, 0.3333

Tritanomaly

13.5259, 0.3130, 0.3225

Monochromacy



Original Color

13.5066, 0.3222, 0.3422

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

13.5236, 0.3154, 0.3334

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.5066, 0.3222, 0.3422 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(104, 103, 97)` looks like.

```
.text, #text, p{  
    color:rgb(104, 103, 97)  
}
```

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(104, 103, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 103, 97) }
```

Border

The CSS property to change the border of an element to Yxy 13.5066, 0.3222, 0.3422 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(104, 103, 97) }
```

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

```
.border{ border-color:rgb(104, 103, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 103, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 103, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 103, 97);  
box-shadow:4px 4px 4px 4px rgb(104, 103,  
97) }
```


Background

The CSS property to change the background color of an element to Yxy 13.5066, 0.3222, 0.3422 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 103, 97) }
```

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

```
.background{ background-color: rgb(104,  
103, 97) }
```

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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