

Converting Colors

$Y_{xy}(13.3672, 0.3273, 0.3309)$

Have a look what the booklet for
Yxy(13.3672, 0.3273, 0.3309)
contains.

Yxy(13.2664, 0.3274, 0.3312) 3

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Color

Yxy(13.2664, 0.3274, 0.3312)

Conversions

Conversions Part 1	
Format	Color
Hex	6D6463
RGB	109, 100, 99
RGB Percent	43%, 39%, 39%
CMY	0.5726, 0.6078, 0.6117
CMYK	0.00, 0.08, 0.09, 0.57
HSL	6°, 5%, 41%
HSV	6°, 9%, 43%
XYZ	13.1142, 13.2664, 13.6750
YIQ	102.5770, 5.6850, 1.5970

Conversions

Conversions Part 2

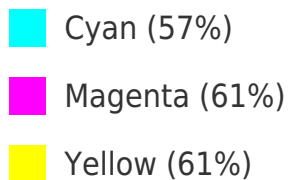
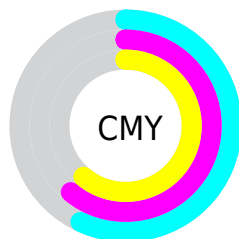
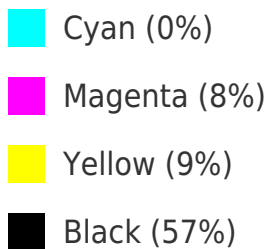
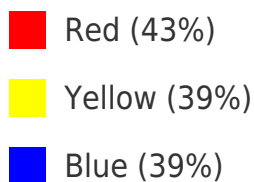
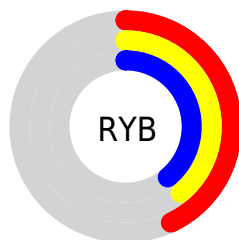
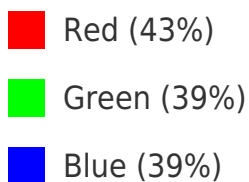
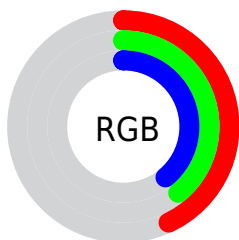
Format	Color
RYB	109, 100, 99
Decimal	7169123
CIELab	43.16, 3.36, 1.85
CIELCh	43, 3.833, 28.783
Yxy	13.2664, 0.3274, 0.3312
Android (android.graphics.Color)	4285359203 (0xFF6D6463)
YUV	102.5770, -1.7635, 5.6330
Hunter-Lab	36.4231, 0.5289, 3.2358

Details

The Yxy color $13.2664, 0.3274, 0.3312$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $14.4765, 0.2994, 0.3268$, and the grayscale version is $13.4495, 0.3127, 0.3290$.

A 20% lighter version of the original color is $31.9123, 0.3239, 0.3305$, and $3.7953, 0.3329, 0.3291$ is the 20% darker color. If you saturate the color by 10%, you get $11.3038, 0.3468, 0.3338$, and if you desaturate by 10%, it is $15.4845, 0.3115, 0.3288$.


Distribution



Brightness & Saturation Gradients


These gradients show how the Yxy color 13.2664, 0.3274, 0.3312 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 13.2664, 0.3274, 0.3312 by changing the saturation by 10% instead.


 13.2664, 0.3274,
0.3312


 13.2664, 0.3274,
0.3312


212.6180, 0.3185,
0.3299


 7.6122, 0.3304,
0.3316


 31.7816, 0.3237,
0.3307


 3.8479, 0.3350,
0.3322


 45.4114, 0.3224,
0.3305

 1.5888, 0.3427,
0.3331

 62.4685, 0.3215,
0.3304

 0.3500, 0.4078,
0.3442

 83.3373, 0.3207,
0.3302


 0.0000, 0.0000,
0.0000


108.4023, 0.3200,
0.3301


138.0478, 0.3194,


0.3301


172.6583, 0.3189,
0.3300


 13.2664, 0.3274,
0.3312


 13.2664, 0.3274,
0.3312


 11.3038, 0.3468,
0.3338


 15.4845, 0.3115,
0.3288

 9.5859, 0.3703,
0.3365


 17.9650, 0.2984,
0.3266


 8.1036, 0.3986,
0.3392


 20.7167, 0.2876,
0.3246

 6.8466, 0.4322,
0.3416


 23.7476, 0.2786,
0.3228


 5.8038, 0.4708,
0.3436


 27.0651, 0.2710,
0.3211

 4.9633, 0.5129,
0.3446


 30.6766, 0.2647,
0.3196

 4.3119, 0.5552,
0.3441

 34.5890, 0.2594,
0.3183

 3.8348, 0.5928,
0.3419

 38.8092, 0.2548,
0.3171

 3.5101, 0.6243,
0.3404

 43.3437, 0.2509,
0.3159

Harmonies

Analogous

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



13.2664, 0.3222, 0.3241



13.2664, 0.3274, 0.3312



13.2664, 0.3287, 0.3378

Triad

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



13.2664, 0.3274, 0.3312



13.2664, 0.3109, 0.3401



13.2664, 0.2999, 0.3159

Complementary

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



13.2664, 0.3274, 0.3312



14.4765, 0.2994, 0.3268

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.



13.2664, 0.2970, 0.3199



13.2664, 0.3274, 0.3312



13.2664, 0.3033, 0.3339

Square

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



13.2664, 0.3274, 0.3312



13.2664, 0.3191, 0.3431



13.2664, 0.2983, 0.3265



13.2664, 0.3063, 0.3153

Rectangle

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



13.2664, 0.3274, 0.3312



13.2664, 0.3271, 0.3411



13.2664, 0.2983, 0.3265



13.2664, 0.2985, 0.3169

Sweetspot

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



13.2670, 0.3274, 0.3312



26.1218, 0.3174, 0.3297



13.2569, 0.3151, 0.3100



6.0143, 0.3185, 0.3299



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.



13.2670, 0.3274, 0.3312



22.9712, 0.3313, 0.3317



14.2519, 0.3263, 0.3418



3.1613, 0.3270, 0.3312



4.0611, 0.6278, 0.3397



20.0568, 0.6336, 0.3351

Inverse Universe

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



14.4765, 0.2994, 0.3268



25.6105, 0.2964, 0.3262



13.4561, 0.2994, 0.3159



3.4425, 0.2997, 0.3268



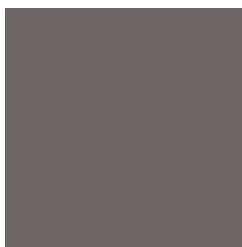
11.4947, 0.2162, 0.2984



57.8470, 0.2157, 0.2965

Previews

White Background



This preview shows how the Yxy color 13.2664, 0.3274, 0.3312 looks on a white background.

Color Contrast Check

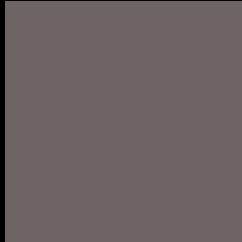
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.2664, 0.3274, 0.3312 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

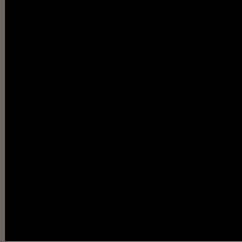
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.2664, 0.3274, 0.3312

Background



This preview shows how black text looks on a background with the Yxy color 13.2664, 0.3274, 0.3312.



This preview shows how white text looks on a background with the Yxy color 13.2664, 0.3274, 0.3312.

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

13.2664, 0.3274, 0.3312

Protanopia

13.3659, 0.3183, 0.3334

Deuteranopia

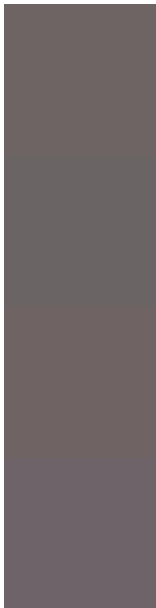
13.3352, 0.3337, 0.3291



Tritanopia

13.3002, 0.3179, 0.3121

Trichromacy



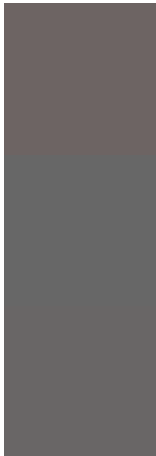
Original Color
13.2664, 0.3274, 0.3312

Protanomaly
13.2916, 0.3214, 0.3312

Deuteranomaly
13.2693, 0.3322, 0.3291

Tritanomaly
13.2382, 0.3221, 0.3184

Monochromacy



Original Color
13.2664, 0.3274, 0.3312

Achromatopsia
13.5633, 0.3127, 0.3290

Achromatomaly
13.4653, 0.3170, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.2664, 0.3274, 0.3312 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(109, 100, 99) looks like.

```
.text, #text, p{  
    color:rgb(109, 100, 99)  
}
```

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(109, 100, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 100, 99) }
```

Border

The CSS property to change the border of an element to Yxy 13.2664, 0.3274, 0.3312 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(109, 100, 99) }
```

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

```
.border{ border-color:rgb(109, 100, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 100, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 100, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 100, 99);  
box-shadow:4px 4px 4px 4px rgb(109, 100,  
99) }
```

Background

The CSS property to change the background color of an element to Yxy 13.2664, 0.3274, 0.3312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 100, 99) }
```

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

```
.background{ background-color: rgb(109,  
100, 99) }
```

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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