

Converting Colors

$Y_{xy}(12.1228, 0.3070, 0.3090)$

Have a look what the booklet for
Yxy(12.1228, 0.3070, 0.3090)
contains.

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Color

Yxy(12.1524, 0.3077, 0.3090)

Conversions

Conversions Part 1	
Format	Color
Hex	656069
RGB	101, 96, 105
RGB Percent	40%, 38%, 41%
CMY	0.6039, 0.6235, 0.5882
CMYK	0.04, 0.09, 0.00, 0.59
HSL	273°, 4%, 39%
HSV	273°, 9%, 41%
XYZ	12.1013, 12.1524, 15.0745
YIQ	98.5210, 0.0910, 3.8590

Conversions

Conversions Part 2

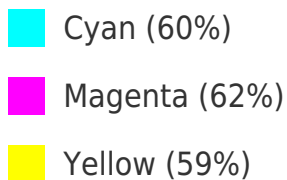
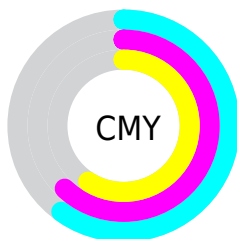
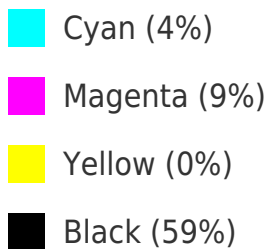
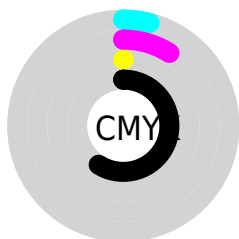
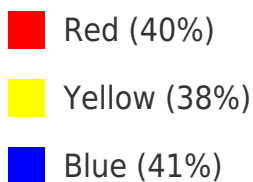
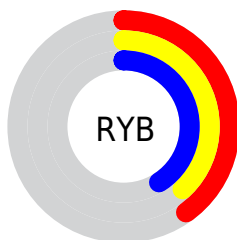
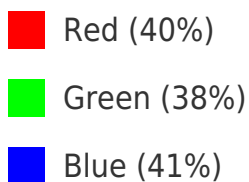
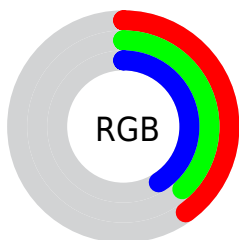
Format	Color
RYB	101, 96, 105
Decimal	6643817
CIELab	41.46, 3.88, -4.40
CIELCh	41, 5.863, 311.374
Yxy	12.1524, 0.3077, 0.3090
Android (android.graphics.Color)	4284833897 (0xFF656069)
YUV	98.5210, 3.1941, 2.1741
Hunter-Lab	34.8603, 0.9583, -1.2363

Details

The Yxy color **12.1524, 0.3077, 0.3090** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.6578, 0.3174, 0.3491**, and the grayscale version is **12.3436, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.6335, 0.3093, 0.3136**, and **3.3710, 0.3040, 0.2991** is the 20% darker color. If you saturate the color by 10%, you get **10.1022, 0.3010, 0.2841**, and if you desaturate by 10%, it is **14.4748, 0.3135, 0.3322**.

Distribution




Brightness & Saturation Gradients


These gradients show how the Yxy color 12.1524, 0.3077, 0.3090 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 12.1524, 0.3077, 0.3090 by changing the saturation by 10% instead.


 12.1524, 0.3077,
0.3090


 12.1524, 0.3077,
0.3090


205.4116, 0.3108,
0.3211


 6.8476, 0.3066,
0.3049


 29.7724, 0.3090,
0.3141


 3.3669, 0.3049,
0.2987

 42.8563, 0.3095,
0.3158

 1.3262, 0.3018,
0.2883

 59.3020, 0.3098,
0.3171

 0.1613, 0.2778,
0.1808

 79.4939, 0.3101,
0.3182

 0.0000, 0.0000,
0.0000

103.8165, 0.3103,
0.3191


132.6540, 0.3105,


0.3199


166.3909, 0.3107,
0.3205

 12.1524, 0.3077,
0.3090


 12.1524, 0.3077,
0.3090


 10.1022, 0.3010,
0.2841


 14.4748, 0.3135,
0.3322


 8.3124, 0.2932,
0.2579


 17.0776, 0.3184,
0.3535


 6.7725, 0.2844,
0.2307

 19.9706, 0.3225,
0.3729

 5.4705, 0.2747,
0.2034

 23.1626, 0.3259,
0.3905

 4.3939, 0.2641,
0.1770

 26.6621, 0.3288,
0.4064

■ 3.5286, 0.2531,
0.1526

■ 30.4772, 0.3311,
0.4207

■ 2.8589, 0.2419,
0.1314

■ 34.6158, 0.3330,
0.4335

■ 2.3669, 0.2309,
0.1142

■ 39.0852, 0.3346,
0.4450

■ 1.9876, 0.2203,
0.0999

■ 43.8930, 0.3359,
0.4553

Harmonies

Analogous

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



12.1524, 0.2963, 0.3074



12.1524, 0.3077, 0.3090



12.1524, 0.3207, 0.3157

Triad

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



12.1524, 0.3077, 0.3090



12.1524, 0.3366, 0.3463



12.1524, 0.2940, 0.3319

Complementary

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



12.1524, 0.3077, 0.3090



13.6578, 0.3174, 0.3491

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.



12.1524, 0.3045, 0.3429



12.1524, 0.3077, 0.3090



12.1524, 0.3292, 0.3512

Square

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



12.1524, 0.3077, 0.3090



12.1524, 0.3376, 0.3369



12.1524, 0.3173, 0.3501



12.1524, 0.2885, 0.3203

Rectangle

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



12.1524, 0.3077, 0.3090



12.1524, 0.3285, 0.3222



12.1524, 0.3173, 0.3501



12.1524, 0.2970, 0.3358

Sweetspot

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



12.1529, 0.3077, 0.3090



23.9810, 0.3110, 0.3220



12.6310, 0.3003, 0.3178



5.5512, 0.3106, 0.3204



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.



12.1529, 0.3077, 0.3090



21.0977, 0.3066, 0.3049



12.3797, 0.3143, 0.3103



3.1005, 0.3074, 0.3080



2.4277, 0.2176, 0.0972



11.8492, 0.2123, 0.0943

Inverse Universe

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



12.2887, 0.3208, 0.3202



21.3879, 0.3225, 0.3184



13.4442, 0.3112, 0.3484



3.1370, 0.3212, 0.3198



4.0501, 0.5110, 0.2588



20.4675, 0.5242, 0.2661

Previews

White Background



This preview shows how the Yxy color 12.1524, 0.3077, 0.3090 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 12.1524, 0.3077, 0.3090 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

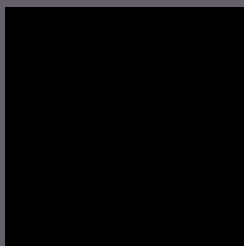
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.1524, 0.3077, 0.3090

Background



This preview shows how black text looks on a background with the Yxy color 12.1524, 0.3077, 0.3090.



This preview shows how white text looks on a background with the Yxy color 12.1524, 0.3077, 0.3090.

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

12.1524, 0.3077, 0.3090

Protanopia

12.1314, 0.3005, 0.3087

Deuteranopia

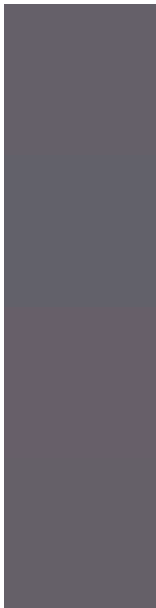
12.1474, 0.3122, 0.3071



Tritanopia

12.1319, 0.3091, 0.3112

Trichromacy



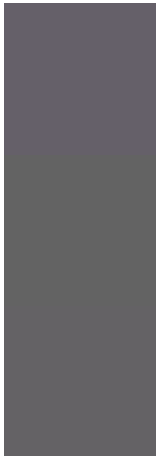
Original Color
12.1524, 0.3077, 0.3090

Protanomaly
12.1867, 0.3019, 0.3088

Deuteranomaly
12.0879, 0.3107, 0.3070

Tritanomaly
12.1319, 0.3091, 0.3112

Monochromacy



Original Color
12.1524, 0.3077, 0.3090

Achromatopsia
12.4772, 0.3127, 0.3290

Achromatomaly
12.3843, 0.3116, 0.3223

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.1524, 0.3077, 0.3090 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(101, 96, 105) looks like.

```
.text, #text, p{  
    color:rgb(101, 96, 105)  
}
```

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(101, 96, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 96, 105) }
```

Border

The CSS property to change the border of an element to Yxy 12.1524, 0.3077, 0.3090 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(101, 96, 105) }
```

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

```
.border{ border-color:rgb(101, 96, 105) }
```

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

Here you see how a box with a 4 pixel rgb(101, 96, 105) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 96, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 96, 105);  
box-shadow:4px 4px 4px 4px rgb(101, 96,  
105) }
```


Background

The CSS property to change the background color of an element to Yxy 12.1524, 0.3077, 0.3090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 96, 105) }
```

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

```
.background{ background-color: rgb(101, 96,  
105) }
```

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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