

Converting Colors

$Y_{xy}(12.7606, 0.3184, 0.3155)$

Have a look what the booklet for
Yxy(12.7606, 0.3184, 0.3155)
contains.

Yxy(12.6747, 0.3179, 0.3139)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(12.6747, 0.3179, 0.3139)

Conversions

Conversions Part 1

Format	Color
Hex	6B6168
RGB	107, 97, 104
RGB Percent	42%, 38%, 41%
CMY	0.5804, 0.6196, 0.5921
CMYK	0.00, 0.09, 0.03, 0.58
HSL	318°, 5%, 40%
HSV	318°, 9%, 42%
XYZ	12.8362, 12.6747, 14.8672
YIQ	100.7880, 3.7130, 4.2970

Conversions

Conversions Part 2

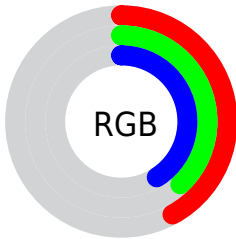
Format	Color
R_{YB}	107, 97, 104
Decimal	7037288
CIE Lab	42.27, 5.37, -2.52
CIE LCh	42, 5.933, 334.821
Yxy	12.6747, 0.3179, 0.3139
Android (android.graphics.Color)	4285227368 (0xFF6B6168)
YUV	100.7880, 1.5835, 5.4479
Hunter-Lab	35.6015, 2.0559, 0.1615

Details

The Yxy color **12.6747, 0.3179, 0.3139** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.9756, 0.3079, 0.3446**, and the grayscale version is **12.9516, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.8155, 0.3163, 0.3184**, and **3.6237, 0.3214, 0.3076** is the 20% darker color. If you saturate the color by 10%, you get **10.7656, 0.3244, 0.2971**, and if you desaturate by 10%, it is **14.8541, 0.3124, 0.3300**.

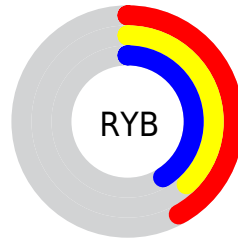
Distribution



Red (42%)

Green (38%)

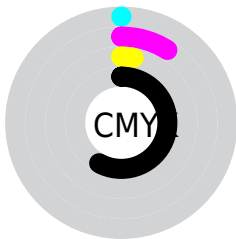
Blue (41%)



Red (42%)

Yellow (38%)

Blue (41%)

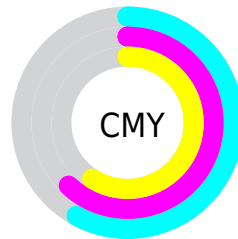


Cyan (0%)

Magenta (9%)

Yellow (3%)

Black (58%)



Cyan (58%)

Magenta (62%)

Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.6747, 0.3179, 0.3139 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 12.6747, 0.3179, 0.3139 by changing the saturation by 10% instead.

■ 12.6747, 0.3179,
0.3139

■ 12.6747, 0.3179,
0.3139

208.8222, 0.3148,
0.3230

■ 7.2049, 0.3189,
0.3109

■ 30.7181, 0.3166,
0.3177

■ 3.5906, 0.3205,
0.3063

■ 44.0606, 0.3162,
0.3190

■ 1.4473, 0.3230,
0.2986

■ 60.7960, 0.3158,
0.3200

■ 0.2512, 0.3453,
0.2345

■ 81.3089, 0.3156,
0.3208

■ 0.0000, 0.0000,
0.0000

105.9835, 0.3153,
0.3215

135.2044, 0.3151,

0.3221

169.3558, 0.3149,
0.3226

■ 12.6747, 0.3179,
0.3139

■ 12.6747, 0.3179,
0.3139

■ 10.7656, 0.3244,
0.2971

■ 14.8541, 0.3124,
0.3300

■ 9.1145, 0.3318,
0.2799

■ 17.3123, 0.3077,
0.3453

■ 7.7106, 0.3403,
0.2628

■ 20.0591, 0.3037,
0.3596

■ 6.5417, 0.3499,
0.2465

■ 23.1038, 0.3004,
0.3728

■ 5.5947, 0.3605,
0.2316

■ 26.4550, 0.2975,
0.3851

■ 4.8550, 0.3718,
0.2193

■ 30.1210, 0.2952,
0.3964

■ 4.3063, 0.3837,
0.2103

■ 34.1098, 0.2932,
0.4067

■ 3.9298, 0.3957,
0.2053

■ 38.4291, 0.2915,
0.4162

■ 3.6512, 0.4081,
0.2028

■ 43.0863, 0.2901,
0.4249

Harmonies

Analogous

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



12.6747, 0.3050, 0.3082



12.6747, 0.3179, 0.3139



12.6747, 0.3296, 0.3234

Triad

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



12.6747, 0.3179, 0.3139



12.6747, 0.3312, 0.3506



12.6747, 0.2892, 0.3227

Complementary

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



12.6747, 0.3179, 0.3139



13.9756, 0.3079, 0.3446

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.



12.6747, 0.2960, 0.3344



12.6747, 0.3179, 0.3139



12.6747, 0.3201, 0.3508

Square

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



12.6747, 0.3179, 0.3139



12.6747, 0.3374, 0.3445



12.6747, 0.3072, 0.3449



12.6747, 0.2886, 0.3130

Rectangle

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



12.6747, 0.3179, 0.3139



12.6747, 0.3351, 0.3308



12.6747, 0.3072, 0.3449



12.6747, 0.2908, 0.3265

Sweetspot

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



12.6753, 0.3179, 0.3139



25.0813, 0.3143, 0.3241



12.3117, 0.3032, 0.3069



6.0042, 0.3147, 0.3230



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.



12.6753, 0.3179, 0.3139



21.9866, 0.3191, 0.3106



12.5798, 0.3248, 0.3243



3.1492, 0.3177, 0.3145



4.4147, 0.4100, 0.2032



22.3365, 0.4163, 0.2067

Inverse Universe

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



12.6753, 0.3179, 0.3139



21.9866, 0.3191, 0.3106



14.0720, 0.3019, 0.3337



3.1492, 0.3177, 0.3145



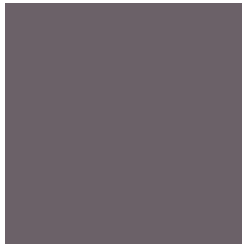
4.4147, 0.4100, 0.2032



22.3365, 0.4163, 0.2067

Previews

White Background



This preview shows how the Yxy color 12.6747, 0.3179, 0.3139 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 12.6747, 0.3179, 0.3139 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

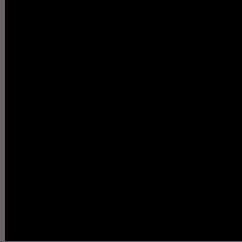
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.6747, 0.3179, 0.3139

Background



This preview shows how black text looks on a background with the Yxy color 12.6747, 0.3179, 0.3139.



This preview shows how white text looks on a background with the Yxy color 12.6747, 0.3179, 0.3139.

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

12.6747, 0.3179, 0.3139

Protanopia

12.6529, 0.3061, 0.3157

Deuteranopia

12.7370, 0.3194, 0.3140



Tritanopia

12.6951, 0.3165, 0.3118

Trichromacy



Original Color

12.6747, 0.3179, 0.3139

Protanomaly

12.6389, 0.3105, 0.3137

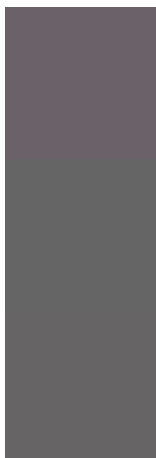
Deuteranomaly

12.7370, 0.3194, 0.3140

Tritanomaly

12.6951, 0.3165, 0.3118

Monochromacy



Original Color

12.6747, 0.3179, 0.3139

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

12.9572, 0.3144, 0.3246

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.6747, 0.3179, 0.3139 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(107, 97, 104)` looks like.

```
.text, #text, p{  
  color:rgb(107, 97, 104)  
}
```

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(107, 97, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 97, 104) }
```

Border

The CSS property to change the border of an element to Yxy 12.6747, 0.3179, 0.3139 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(107, 97, 104) }
```

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

```
.border{ border-color:rgb(107, 97, 104) }
```

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

Here you see how a box with a 4 pixel rgb(107, 97, 104) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 97, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 97, 104);  
box-shadow:4px 4px 4px 4px rgb(107, 97,  
104) }
```


Background

The CSS property to change the background color of an element to Yxy 12.6747, 0.3179, 0.3139 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 97, 104) }
```

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

```
.background{ background-color: rgb(107, 97,  
104) }
```

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