

Converting Colors

$Y_{xy}(10.7027, 0.2623, 0.3899)$

Have a look what the booklet for
Yxy(10.7027, 0.2623, 0.3899)
contains.

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Color

Yxy(10.7457, 0.2628, 0.3917)

Conversions

Conversions Part 1

Format	Color
Hex	286751
RGB	40, 103, 81
RGB Percent	16%, 40%, 32%
CMY	0.8433, 0.5961, 0.6824
CMYK	0.61, 0.00, 0.21, 0.60
HSL	159°, 44%, 28%
HSV	159°, 61%, 40%
XYZ	7.2095, 10.7457, 9.4783
YIQ	81.6550, -30.4860, -20.1980

Conversions

Conversions Part 2

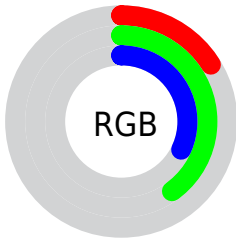
Format	Color
R_{YB}	40, 78, 103
Decimal	2647889
CIE _{Lab}	39.15, -26.06, 6.45
CIE _{LCh}	39, 26.842, 166.104
Yxy	10.7457, 0.2628, 0.3917
Android (android.graphics.Color)	4280837969 (0xFF286751)
YUV	81.6550, -0.3229, -36.5314
Hunter-Lab	32.7806, -18.1082, 5.8032

Details

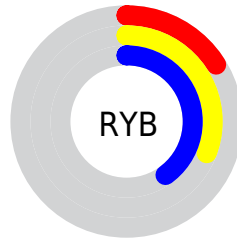
The Yxy color **10.7457, 0.2628, 0.3917** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **4.7469, 0.4233, 0.2783**, and the grayscale version is **8.3690, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.3297, 0.2769, 0.3753**, and **2.8598, 0.2523, 0.4283** is the 20% darker color. If you saturate the color by 10%, you get **10.5142, 0.2587, 0.4042**, and if you desaturate by 10%, it is **11.0360, 0.2684, 0.3797**.

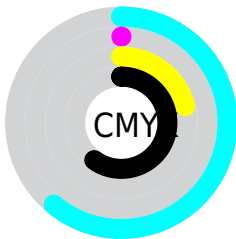
Distribution



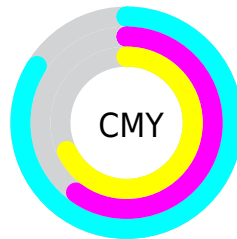
- Red (16%)
- Green (40%)
- Blue (32%)



- Red (16%)
- Yellow (31%)
- Blue (40%)



- Cyan (61%)
- Magenta (0%)
- Yellow (21%)
- Black (60%)




- Cyan (84%)
- Magenta (60%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.7457, 0.2628, 0.3917 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 10.7457, 0.2628, 0.3917 by changing the saturation by 10% instead.


 10.7457, 0.2628,
0.3917


 10.7457, 0.2628,
0.3917


195.9145, 0.2942,
0.3517


 5.8961, 0.2513,
0.4069

 27.1890, 0.2765,
0.3741


 2.7820, 0.2329,
0.4317


 39.5514, 0.2808,
0.3685

 1.0190, 0.1635,
0.5101

 55.1869, 0.2843,
0.3642

 0.0000, 0.0000,
0.0000

 74.4799, 0.2870,
0.3607

 97.8148, 0.2893,
0.3578

 125.5759, 0.2912,

0.3554

158.1477, 0.2928,
0.3534

■ 10.7457, 0.2628,
0.3917

■ 10.7457, 0.2628,
0.3917

■ 10.5142, 0.2587,
0.4042

■ 11.0360, 0.2684,
0.3797

■ 10.3356, 0.2563,
0.4168

■ 11.3878, 0.2754,
0.3682

■ 10.2049, 0.2557,
0.4295

■ 11.8053, 0.2835,
0.3574

■ 10.1073, 0.2558,
0.4408

■ 12.2917, 0.2923,
0.3474

■ 12.8502, 0.3017,
0.3383

■ 13.4838, 0.3115,
0.3299

■ 14.1953, 0.3215,
0.3224

■ 14.9872, 0.3314,
0.3157

■ 15.8621, 0.3412,
0.3098

Harmonies

Analogous

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



10.7457, 0.3199, 0.4342



10.7457, 0.2628, 0.3917



10.7457, 0.2216, 0.3291

Triad

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



10.7457, 0.2628, 0.3917



10.7457, 0.2436, 0.2337



10.7457, 0.4346, 0.3647

Complementary

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



10.7457, 0.2628, 0.3917



4.7469, 0.4233, 0.2783

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.



10.7457, 0.4114, 0.3177



10.7457, 0.2628, 0.3917



10.7457, 0.2958, 0.2461

Square

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



10.7457, 0.2628, 0.3917



10.7457, 0.2121, 0.2423



10.7457, 0.3583, 0.2759



10.7457, 0.4210, 0.4087

Rectangle

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



10.7457, 0.2628, 0.3917



10.7457, 0.2073, 0.2906



10.7457, 0.3583, 0.2759



10.7457, 0.4310, 0.3489

Sweetspot

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



10.7461, 0.2628, 0.3917



22.2612, 0.2948, 0.3449



10.8797, 0.3309, 0.4985



5.3791, 0.2927, 0.3470



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.



10.7461, 0.2628, 0.3917



18.6876, 0.2576, 0.4091



9.3555, 0.2358, 0.3028



3.1698, 0.3040, 0.3363



12.7083, 0.2562, 0.4422



66.1107, 0.2582, 0.4496

Inverse Universe

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



4.7469, 0.4233, 0.2783



6.9091, 0.4650, 0.2724



5.2692, 0.4725, 0.3510



2.8608, 0.3223, 0.3218



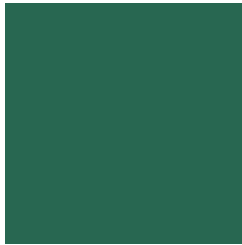
3.7815, 0.5475, 0.2790



19.5706, 0.5623, 0.2871

Previews

White Background



This preview shows how the Yxy color 10.7457, 0.2628, 0.3917 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 10.7457, 0.2628, 0.3917 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

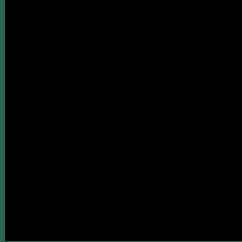
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.7457, 0.2628, 0.3917

Background



This preview shows how black text looks on a background with the Yxy color 10.7457, 0.2628, 0.3917.



This preview shows how white text looks on a background with the Yxy color 10.7457, 0.2628, 0.3917.

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

10.7457, 0.2628, 0.3917

Protanopia

10.7037, 0.3467, 0.3701

Deuteranopia

10.6684, 0.3438, 0.3407



Tritanopia

10.6382, 0.2427, 0.3080

Trichromacy



Original Color

10.7457, 0.2628, 0.3917

Protanomaly

10.4381, 0.3089, 0.3792

Deuteranomaly

10.3354, 0.3068, 0.3574

Tritanomaly

10.5770, 0.2493, 0.3342

Monochromacy



Original Color

10.7457, 0.2628, 0.3917

Achromatopsia

8.4376, 0.3127, 0.3290

Achromatomaly

9.1148, 0.2887, 0.3512

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.7457, 0.2628, 0.3917 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(40, 103, 81)` looks like.

```
.text, #text, p{  
    color:rgb(40, 103, 81)  
}
```

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(40, 103, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 103, 81) }
```

Border

The CSS property to change the border of an element to Yxy 10.7457, 0.2628, 0.3917 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(40, 103, 81) }
```

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

```
.border{ border-color:rgb(40, 103, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 103, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 103, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 103, 81);  
box-shadow:4px 4px 4px 4px rgb(40, 103,  
81) }
```


Background

The CSS property to change the background color of an element to Yxy 10.7457, 0.2628, 0.3917 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 103, 81) }
```

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

```
.background{ background-color: rgb(40, 103,  
81) }
```

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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