

Converting Colors

$Y_{xy}(10.6919, 0.2470, 0.4018)$

Have a look what the booklet for
Yxy(10.6919, 0.2470, 0.4018)
contains.

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Color

Yxy(10.7275, 0.2474, 0.4029)

Conversions

Conversions Part 1

Format	Color
Hex	076950
RGB	7, 105, 80
RGB Percent	3%, 41%, 31%
CMY	0.9724, 0.5882, 0.6863
CMYK	0.93, 0.00, 0.24, 0.59
HSL	165°, 87%, 22%
HSV	165°, 93%, 41%
XYZ	6.5872, 10.7275, 9.3110
YIQ	72.8480, -50.3830, -28.5510

Conversions

Conversions Part 2

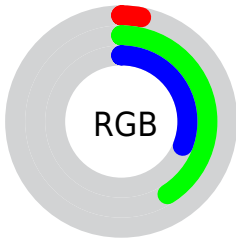
Format	Color
RYB	7, 63, 105
Decimal	485712
CIELab	39.12, -32.20, 6.92
CIELCh	39, 32.931, 167.875
Yxy	10.7275, 0.2474, 0.4029
Android (android.graphics.Color)	4278675792 (0xFF076950)
YUV	72.8480, 3.5259, -57.7487
Hunter-Lab	32.7529, -21.4179, 6.0720

Details

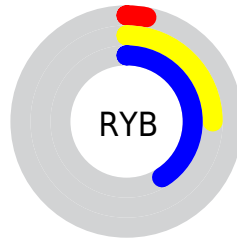
The Yxy color **10.7275, 0.2474, 0.4029** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **3.2607, 0.5553, 0.2938**, and the grayscale version is **6.6373, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.1548, 0.2653, 0.3824**, and **3.0536, 0.2545, 0.4362** is the 20% darker color. If you saturate the color by 10%, you get **10.6563, 0.2470, 0.4090**, and if you desaturate by 10%, it is **10.8471, 0.2484, 0.3939**.

Distribution



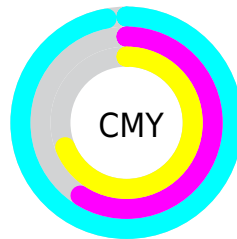
- Red (3%)
- Green (41%)
- Blue (31%)



- Red (3%)
- Yellow (25%)
- Blue (41%)



- Cyan (93%)
- Magenta (0%)
- Yellow (24%)
- Black (59%)




- Cyan (97%)
- Magenta (59%)
- Yellow (69%)


Brightness & Saturation Gradients

These gradients show how the Yxy color 10.7275, 0.2474, 0.4029 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 10.7275, 0.2474, 0.4029 by changing the saturation by 10% instead.


 10.7275, 0.2474,
0.4029


 10.7275, 0.2474,
0.4029


 195.7884, 0.2884,
0.3556


 5.8839, 0.2325,
0.4209

 27.1552, 0.2652,
0.3820


 2.7746, 0.2089,
0.4503


 39.5080, 0.2709,
0.3754

 1.0152, 0.0961,
0.5627

 55.1327, 0.2754,
0.3703


 0.0000, 0.0000,
0.0000

 74.4137, 0.2790,
0.3662


 97.7354, 0.2820,
0.3628


 125.4821, 0.2845,

0.3600


 158.0383, 0.2866,
0.3576


 10.7275, 0.2474,
0.4029

 10.7275, 0.2474,
0.4029

 10.6563, 0.2470,
0.4090

 10.8471, 0.2484,
0.3939

 11.0124, 0.2511,
0.3849

 11.2310, 0.2556,
0.3760

 11.5078, 0.2616,
0.3674

 11.8472, 0.2692,
0.3591

■ 12.2530, 0.2779,
0.3512

■ 12.7288, 0.2876,
0.3439

■ 13.2779, 0.2981,
0.3371

■ 13.9034, 0.3090,
0.3309

Harmonies

Analogous

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



10.7275, 0.3150, 0.4590



10.7275, 0.2474, 0.4029



10.7275, 0.2008, 0.3230

Triad

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



10.7275, 0.2474, 0.4029



10.7275, 0.2322, 0.2156



10.7275, 0.4618, 0.3721

Complementary

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



10.7275, 0.2474, 0.4029



3.2607, 0.5553, 0.2938

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.



10.7275, 0.4368, 0.3169



10.7275, 0.2474, 0.4029



10.7275, 0.2956, 0.2319

Square

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



10.7275, 0.2474, 0.4029



10.7275, 0.1940, 0.2231



10.7275, 0.3725, 0.2677



10.7275, 0.4407, 0.4254

Rectangle

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



10.7275, 0.2474, 0.4029



10.7275, 0.1858, 0.2767



10.7275, 0.3725, 0.2677



10.7275, 0.4587, 0.3535

Sweetspot

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



10.7279, 0.2474, 0.4029



22.3065, 0.2822, 0.3479



10.4449, 0.3164, 0.5776



5.1632, 0.2791, 0.3503



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.



10.7279, 0.2474, 0.4029



19.0611, 0.2476, 0.4115



7.1217, 0.2081, 0.2615



3.4794, 0.3028, 0.3344



13.4865, 0.2473, 0.4101



68.5737, 0.2487, 0.4153

Inverse Universe

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



3.2607, 0.5553, 0.2938



5.5000, 0.5856, 0.3000



3.9422, 0.5805, 0.3617



3.1283, 0.3237, 0.3237



3.8962, 0.5817, 0.2978



19.7298, 0.5954, 0.3054

Previews

White Background



This preview shows how the Yxy color 10.7275, 0.2474, 0.4029 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 10.7275, 0.2474, 0.4029 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 10.7275, 0.2474, 0.4029

Background



This preview shows how black text looks on a background with the Yxy color 10.7275, 0.2474, 0.4029.



This preview shows how white text looks on a background with the Yxy color 10.7275, 0.2474, 0.4029.

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

10.7275, 0.2474, 0.4029

Protanopia

10.7454, 0.3499, 0.3723

Deuteranopia

10.7279, 0.3455, 0.3406



Tritanopia

10.7516, 0.2311, 0.3077

Trichromacy



Original Color

10.7275, 0.2474, 0.4029

Protanomaly

10.1950, 0.2945, 0.3869

Deuteranomaly

10.0742, 0.2908, 0.3613

Tritanomaly

10.5788, 0.2356, 0.3399

Monochromacy



Original Color

10.7275, 0.2474, 0.4029

Achromatopsia

6.6626, 0.3127, 0.3290

Achromatomaly

7.6718, 0.2706, 0.3568

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.7275, 0.2474, 0.4029 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(7, 105, 80)` looks like.

```
.text, #text, p{  
    color:rgb(7, 105, 80)  
}
```

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(7, 105, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(7, 105, 80) }
```

Border

The CSS property to change the border of an element to Yxy 10.7275, 0.2474, 0.4029 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(7, 105, 80) }
```

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

```
.border{ border-color:rgb(7, 105, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(7, 105, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(7, 105, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(7, 105, 80);  
box-shadow:4px 4px 4px 4px rgb(7, 105, 80)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.7275, 0.2474, 0.4029 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(7, 105, 80) }
```

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

```
.background{ background-color: rgb(7, 105,  
80) }
```

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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