

Converting Colors

$Yxy(10.7414, 0.2219, 0.3171)$

Have a look what the booklet for
Yxy(10.7414, 0.2219, 0.3171)
contains.

Yxy(10.7749, 0.2221, 0.3179)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(10.7749, 0.2221, 0.3179)

Conversions

Conversions Part 1

Format	Color
Hex	02676B
RGB	2, 103, 107
RGB Percent	1%, 40%, 42%
CMY	0.9925, 0.5961, 0.5804
CMYK	0.98, 0.04, 0.00, 0.58
HSL	182°, 97%, 21%
HSV	182°, 98%, 42%
XYZ	7.5279, 10.7749, 15.5912
YIQ	73.2570, -61.4800, -20.1680

Conversions

Conversions Part 2

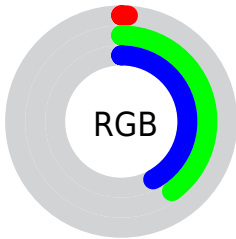
Format	Color
RYB	2, 53, 107
Decimal	157547
CIELab	39.20, -23.20, -9.46
CIELCh	39, 25.057, 202.189
Yxy	10.7749, 0.2221, 0.3179
Android (android.graphics.Color)	4278347627 (0xFF02676B)
YUV	73.2570, 16.6353, -62.4924
Hunter-Lab	32.8251, -16.5082, -5.1839

Details

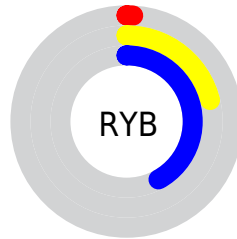
The Yxy color **10.7749, 0.2221, 0.3179** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **3.2576, 0.6291, 0.3339**, and the grayscale version is **6.6835, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.0757, 0.2450, 0.3216**, and **3.0586, 0.2184, 0.3061** is the 20% darker color. If you saturate the color by 10%, you get **10.7486, 0.2216, 0.3177**, and if you desaturate by 10%, it is **10.9266, 0.2250, 0.3191**.

Distribution



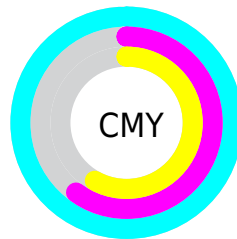
- Red (1%)
- Green (40%)
- Blue (42%)



- Red (1%)
- Yellow (21%)
- Blue (42%)



- Cyan (98%)
- Magenta (4%)
- Yellow (0%)
- Black (58%)




- Cyan (99%)
- Magenta (60%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.7749, 0.2221, 0.3179 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 10.7749, 0.2221, 0.3179 by changing the saturation by 10% instead.


 10.7749, 0.2221,
0.3179


 10.7749, 0.2221,
0.3179


196.1167, 0.2768,
0.3262


 5.9157, 0.2040,
0.3139

 27.2432, 0.2449,
0.3220


 2.7939, 0.1772,
0.3068


 39.6210, 0.2525,
0.3231

 1.0251, 0.1166,
0.2978

 55.2738, 0.2586,
0.3240

 0.0000, 0.0000,
0.0000

 74.5860, 0.2636,
0.3247

 97.9420, 0.2677,
0.3252

 125.7262, 0.2712,

0.3256


 158.3229, 0.2742,
0.3259

 10.7749, 0.2221,
0.3179


 10.7749, 0.2221,
0.3179


 10.7486, 0.2216,
0.3177

 10.9266, 0.2250,
0.3191

 11.1112, 0.2290,
0.3203

 11.3473, 0.2348,
0.3215

 11.6405, 0.2422,
0.3227

 11.9956, 0.2513,
0.3239

■ 12.4167, 0.2619,
0.3251

■ 12.9078, 0.2738,
0.3262

■ 13.4724, 0.2869,
0.3272

■ 14.1140, 0.3008,
0.3282

Harmonies

Analogous

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



10.7749, 0.2568, 0.3761



10.7749, 0.2221, 0.3179



10.7749, 0.2104, 0.2705

Triad

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



10.7749, 0.2221, 0.3179



10.7749, 0.3087, 0.2555



10.7749, 0.4079, 0.4113

Complementary

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



10.7749, 0.2221, 0.3179



3.2576, 0.6291, 0.3339

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.



10.7749, 0.4267, 0.3721



10.7749, 0.2221, 0.3179



10.7749, 0.3668, 0.2865

Square

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



10.7749, 0.2221, 0.3179



10.7749, 0.2566, 0.2402



10.7749, 0.4117, 0.3277



10.7749, 0.3639, 0.4325

Rectangle

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



10.7749, 0.2221, 0.3179



10.7749, 0.2158, 0.2505



10.7749, 0.4117, 0.3277



10.7749, 0.4176, 0.3995

Sweetspot

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



10.7753, 0.2221, 0.3179



22.9664, 0.2718, 0.3260



10.5384, 0.2990, 0.5934



5.4875, 0.2679, 0.3256



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.



10.7753, 0.2221, 0.3179



19.2082, 0.2215, 0.3174



3.4367, 0.1781, 0.1586



3.4732, 0.2997, 0.3282



13.0676, 0.2216, 0.3176



66.2881, 0.2214, 0.3169

Inverse Universe

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



4.1462, 0.3299, 0.1603



7.3444, 0.3304, 0.1594



6.1510, 0.5203, 0.4220



3.1620, 0.3142, 0.3092



4.9915, 0.3302, 0.1593



25.4041, 0.3308, 0.1596

Previews

White Background



This preview shows how the Yxy color 10.7749, 0.2221, 0.3179 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 10.7749, 0.2221, 0.3179 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

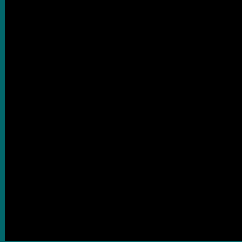
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.7749, 0.2221, 0.3179

Background



This preview shows how black text looks on a background with the Yxy color 10.7749, 0.2221, 0.3179.



This preview shows how white text looks on a background with the Yxy color 10.7749, 0.2221, 0.3179.

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

10.7749, 0.2221, 0.3179

Protanopia

10.8497, 0.3013, 0.3101

Deuteranopia

10.7653, 0.2891, 0.2833



Tritanopia

10.7438, 0.2213, 0.3048

Trichromacy



Original Color

10.7749, 0.2221, 0.3179

Protanomaly

10.2748, 0.2550, 0.3106

Deuteranomaly

10.2492, 0.2494, 0.2932

Tritanomaly

10.6931, 0.2210, 0.3073

Monochromacy



Original Color

10.7749, 0.2221, 0.3179

Achromatopsia

6.6626, 0.3127, 0.3290

Achromatomaly

7.6009, 0.2564, 0.3258

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.7749, 0.2221, 0.3179 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(2, 103, 107)` looks like.

```
.text, #text, p{  
  color:rgb(2, 103, 107)  
}
```

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(2, 103, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 103, 107) }
```

Border

The CSS property to change the border of an element to Yxy 10.7749, 0.2221, 0.3179 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(2, 103, 107) }
```

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

```
.border{ border-color:rgb(2, 103, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 103, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 103, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 103, 107);  
box-shadow:4px 4px 4px 4px rgb(2, 103,  
107) }
```


Background

The CSS property to change the background color of an element to Yxy 10.7749, 0.2221, 0.3179 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 103, 107) }
```

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

```
.background{ background-color: rgb(2, 103,  
107) }
```

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