

Converting Colors

$Y_{xy}(17.7560, 0.3060, 0.3088)$

Have a look what the booklet for
Yxy(17.7560, 0.3060, 0.3088)
contains.

Yxy(17.7609, 0.3061, 0.3081) 3

Conversions 4

Details 6

Harmonies 12

Previews 24

Color Blindness Simulation 27

CSS Examples 30

Color

Yxy(17.7609, 0.3061, 0.3081)

Conversions

Conversions Part 1	
Format	Color
Hex	78737E
RGB	120, 115, 126
RGB Percent	47%, 45%, 49%
CMY	0.5293, 0.5490, 0.5058
CMYK	0.05, 0.09, 0.00, 0.51
HSL	267°, 5%, 47%
HSV	267°, 9%, 49%
XYZ	17.6456, 17.7609, 22.2400
YIQ	117.7490, -0.5510, 4.4810

Conversions

Conversions Part 2

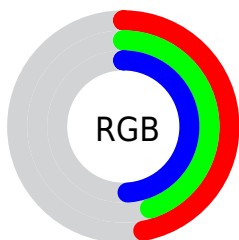
Format	Color
RYB	120, 115, 126
Decimal	7893886
CIELab	49.20, 4.18, -5.36
CIELCh	49, 6.799, 307.934
Yxy	17.7609, 0.3061, 0.3081
Android (android.graphics.Color)	4286083966 (0xFF78737E)
YUV	117.7490, 4.0677, 1.9741
Hunter-Lab	42.1437, 0.9867, -1.7879

Details

The Yxy color $[17.7609, 0.3061, 0.3081]$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $[20.2252, 0.3189, 0.3498]$, and the grayscale version is $[18.0229, 0.3127, 0.3290]$.

A 20% lighter version of the original color is $[39.6628, 0.3071, 0.3126]$, and $[5.9278, 0.3041, 0.2995]$ is the 20% darker color. If you saturate the color by 10%, you get $[14.6097, 0.2974, 0.2823]$, and if you desaturate by 10%, it is $[21.3415, 0.3136, 0.3319]$.

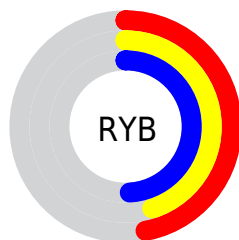
Distribution



Red (47%)

Green (45%)

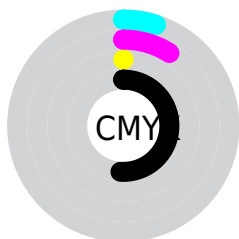
Blue (49%)



Red (47%)

Yellow (45%)

Blue (49%)

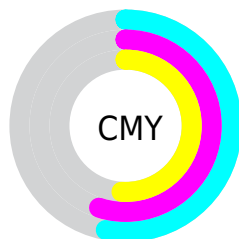


Cyan (5%)

Magenta (9%)

Yellow (0%)

Black (51%)



Cyan (53%)


Magenta (55%)


Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.7609, 0.3061, 0.3081 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 17.7609, 0.3061, 0.3081 by changing the saturation by 10% instead.


 17.7609, 0.3061,
0.3081


 17.7609, 0.3061,
0.3081


239.5199, 0.3100,
0.3201

 10.7785, 0.3049,
0.3044


 39.6295, 0.3077,
0.3129


 5.9181, 0.3031,
0.2992


 55.2844, 0.3082,
0.3146

 2.7953, 0.3002,
0.2911


 74.5990, 0.3087,
0.3159

 1.0258, 0.2950,
0.2772

 97.9575, 0.3090,
0.3170

 0.0000, 0.0617,
0.0000


125.7445, 0.3093,
0.3180

 0.0000, 0.0000,
0.0000

158.3443, 0.3096,


0.3188


196.1413, 0.3098,
0.3195

 17.7609, 0.3061,
0.3081


 17.7609, 0.3061,
0.3081


 14.6097, 0.2974,
0.2823


 21.3415, 0.3136,
0.3319


 11.8690, 0.2874,
0.2548


 25.3648, 0.3200,
0.3535


 9.5219, 0.2762,
0.2261

 29.8464, 0.3254,
0.3730

 7.5495, 0.2638,
0.1970

 34.8005, 0.3299,
0.3905

 5.9312, 0.2506,
0.1687

 40.2406, 0.3337,
0.4062

■ 4.6443, 0.2370,
0.1425

■ 46.1797, 0.3369,
0.4202

■ 3.6634, 0.2235,
0.1198

■ 52.6302, 0.3395,
0.4326

■ 2.9593, 0.2107,
0.1018

■ 59.6042, 0.3417,
0.4437

■ 2.4539, 0.1989,
0.0879

■ 67.1133, 0.3435,
0.4536

Harmonies

Analogous

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



17.7609, 0.2948, 0.3071



17.7609, 0.3061, 0.3081



17.7609, 0.3194, 0.3144

Triad

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



17.7609, 0.3061, 0.3081



17.7609, 0.3376, 0.3457



17.7609, 0.2946, 0.3333

Complementary

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



17.7609, 0.3061, 0.3081



20.2252, 0.3189, 0.3498

Split Complementary

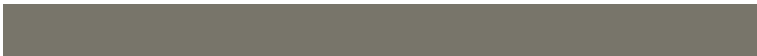
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



17.7609, 0.3057, 0.3443



17.7609, 0.3061, 0.3081



17.7609, 0.3307, 0.3514

Square

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



17.7609, 0.3061, 0.3081



17.7609, 0.3378, 0.3358



17.7609, 0.3189, 0.3510



17.7609, 0.2883, 0.3213

Rectangle

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



17.7609, 0.3061, 0.3081



17.7609, 0.3276, 0.3208



17.7609, 0.3189, 0.3510



17.7609, 0.2979, 0.3373

Sweetspot

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



17.7617, 0.3061, 0.3081



34.7386, 0.3105, 0.3218



18.8386, 0.2998, 0.3195



7.7977, 0.3100, 0.3201



63.8283, 0.3127, 0.3290



8.3535, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



17.7617, 0.3061, 0.3081



30.3849, 0.3049, 0.3044



18.1612, 0.3130, 0.3086



4.3005, 0.3058, 0.3072



2.4528, 0.1973, 0.0861



0.0000, 0.0000, 0.0000

Inverse Universe

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



18.0763, 0.3198, 0.3178



31.0294, 0.3211, 0.3159



19.8438, 0.3124, 0.3502



4.3803, 0.3201, 0.3174



4.9831, 0.4718, 0.2373



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 17.7609, 0.3061, 0.3081 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 17.7609, 0.3061, 0.3081 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

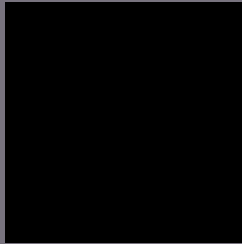
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

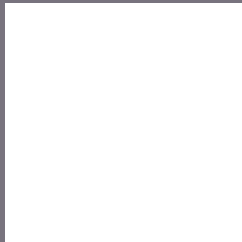
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 17.7609, 0.3061, 0.3081

Background



This preview shows how black text looks on a background with the Yxy color 17.7609, 0.3061, 0.3081.



This preview shows how white text looks on a background with the Yxy color 17.7609, 0.3061, 0.3081.

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

17.7609, 0.3061, 0.3081

Protanopia

17.7361, 0.2999, 0.3079

Deuteranopia

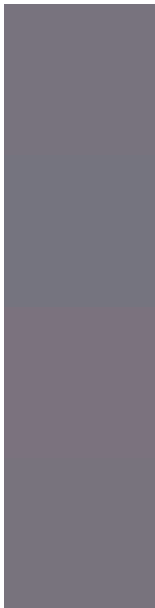
17.8261, 0.3112, 0.3066



Tritanopia

17.7098, 0.3084, 0.3119

Trichromacy



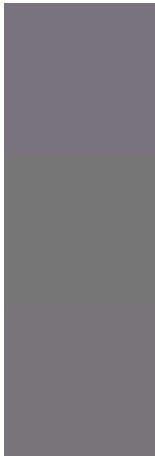
Original Color
17.7609, 0.3061, 0.3081

Protanomaly
17.8050, 0.3012, 0.3080

Deuteranomaly
17.7519, 0.3099, 0.3065

Tritanomaly
17.7352, 0.3072, 0.3100

Monochromacy



Original Color
17.7609, 0.3061, 0.3081

Achromatopsia
18.1164, 0.3127, 0.3290

Achromatomaly
18.0250, 0.3105, 0.3213

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.7609, 0.3061, 0.3081 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(120, 115, 126) looks like.

```
.text, #text, p{  
    color:rgb(120, 115, 126)  
}
```

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(120, 115, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 115, 126) }
```

Border

The CSS property to change the border of an element to Yxy 17.7609, 0.3061, 0.3081 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(120, 115, 126) }
```

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

```
.border{ border-color:rgb(120, 115, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 115, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 115, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 115, 126);  
box-shadow:4px 4px 4px 4px rgb(120, 115,  
126) }
```


Background

The CSS property to change the background color of an element to Yxy 17.7609, 0.3061, 0.3081 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 115, 126) }
```

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

```
.background{ background-color: rgb(120,  
115, 126) }
```

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