

Converting Colors

$Y_{xy}(17.5948, 0.2707, 0.2710)$

Have a look what the booklet for
Yxy(17.5948, 0.2707, 0.2710)
contains.

Yxy(17.5249, 0.2706, 0.2709)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(17.5249, 0.2706, 0.2709)

Conversions

Conversions Part 1

Format	Color
Hex	6C7392
RGB	108, 115, 146
RGB Percent	42%, 45%, 57%
CMY	0.5764, 0.5490, 0.4274
CMYK	0.26, 0.21, 0.00, 0.43
HSL	229°, 15%, 50%
HSV	229°, 26%, 57%
XYZ	17.5055, 17.5249, 29.6610
YIQ	116.4410, -14.1230, 8.1570

Conversions

Conversions Part 2

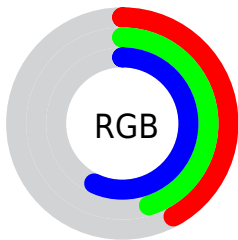
Format	Color
R _Y B	108, 114, 146
Decimal	7107474
CIE Lab	48.91, 4.67, -17.73
CIE LCh	49, 18.333, 284.767
Yxy	17.5249, 0.2706, 0.2709
Android (android.graphics.Color)	4285297554 (0xFF6C7392)
YUV	116.4410, 14.5726, -7.4028
Hunter-Lab	41.8628, 1.3824, -12.7048

Details

The Yxy color **17.5249, 0.2706, 0.2709** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **25.6709, 0.3533, 0.3811**, and the grayscale version is **17.5662, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.2811, 0.2803, 0.2842**, and **5.7703, 0.2525, 0.2479** is the 20% darker color. If you saturate the color by 10%, you get **14.1406, 0.2522, 0.2442**, and if you desaturate by 10%, it is **21.4155, 0.2879, 0.2953**.

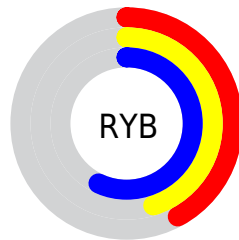
Distribution



Red (42%)

Green (45%)

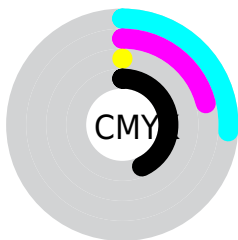
Blue (57%)



Red (42%)

Yellow (45%)

Blue (57%)

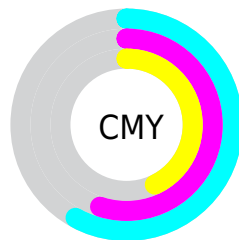


Cyan (26%)

Magenta (21%)

Yellow (0%)

Black (43%)



Cyan (58%)

Magenta (55%)

Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.5249, 0.2706, 0.2709 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 17.5249, 0.2706, 0.2709 by changing the saturation by 10% instead.

■ 17.5249, 0.2706,
0.2709

■ 17.5249, 0.2706,
0.2709

■ 238.1793, 0.2949,
0.3039

■ 10.6094, 0.2632,
0.2611

■ 39.2261, 0.2804,
0.2840

■ 5.8049, 0.2526,
0.2474

■ 54.7806, 0.2837,
0.2885

■ 2.7268, 0.2366,
0.2271

■ 73.9836, 0.2865,
0.2923

■ 0.9908, 0.2097,
0.1942

■ 97.2194, 0.2888,
0.2954

■ 0.0000, 0.0000,
0.0000

■ 124.8725, 0.2907,
0.2980

■ 157.3273, 0.2923,

0.3002

194.9681, 0.2937,
0.3022

■ 17.5249, 0.2706,
0.2709

■ 17.5249, 0.2706,
0.2709

■ 14.1406, 0.2522,
0.2442

■ 21.4155, 0.2879,
0.2953

■ 11.2394, 0.2332,
0.2156

■ 25.8299, 0.3038,
0.3171

■ 8.7996, 0.2142,
0.1861

■ 30.7876, 0.3183,
0.3364

■ 6.7967, 0.1963,
0.1567

■ 36.3064, 0.3313,
0.3533

■ 5.2041, 0.1804,
0.1291

■ 42.4032, 0.3429,
0.3681

■ 3.9920, 0.1676,
0.1051

■ 49.0942, 0.3532,
0.3809

■ 3.1231, 0.1585,
0.0858

■ 56.3949, 0.3623,
0.3920

■ 2.8520, 0.1554,
0.0795

■ 64.3205, 0.3704,
0.4017

■ 72.8853, 0.3776,
0.4101

Harmonies

Analogous

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



17.5249, 0.2511, 0.2783



17.5249, 0.2706, 0.2709



17.5249, 0.3020, 0.2776

Triad

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



17.5249, 0.2706, 0.2709



17.5249, 0.3832, 0.3517



17.5249, 0.2856, 0.3656

Complementary

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



17.5249, 0.2706, 0.2709



25.6709, 0.3533, 0.3811

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.



17.5249, 0.3202, 0.3882



17.5249, 0.2706, 0.2709



17.5249, 0.3775, 0.3773

Square

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



17.5249, 0.2706, 0.2709



17.5249, 0.3685, 0.3225



17.5249, 0.3540, 0.3917



17.5249, 0.2593, 0.3320

Rectangle

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



17.5249, 0.2706, 0.2709



17.5249, 0.3262, 0.2888



17.5249, 0.3540, 0.3917



17.5249, 0.2966, 0.3749

Sweetspot

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



17.5256, 0.2706, 0.2709



43.8134, 0.3005, 0.3126



25.5993, 0.2822, 0.3426



9.5014, 0.2984, 0.3097



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



17.5256, 0.2706, 0.2709



27.4584, 0.2604, 0.2562



16.7553, 0.2827, 0.2600



5.7952, 0.2989, 0.3104



2.5345, 0.1556, 0.0802



0.0630, 0.1731, 0.1432

Inverse Universe

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



18.0784, 0.3562, 0.3170



28.7215, 0.3690, 0.3143



26.7653, 0.3379, 0.3946



5.8318, 0.3255, 0.3250



5.4492, 0.6067, 0.3116



0.0699, 0.5149, 0.2610

Previews

White Background



This preview shows how the Yxy color 17.5249, 0.2706, 0.2709 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 17.5249, 0.2706, 0.2709 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

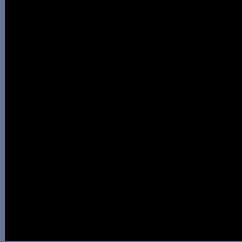
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

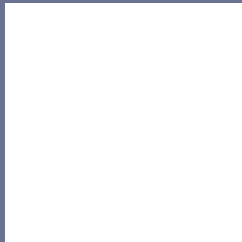
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 17.5249, 0.2706, 0.2709

Background



This preview shows how black text looks on a background with the Yxy color 17.5249, 0.2706, 0.2709.

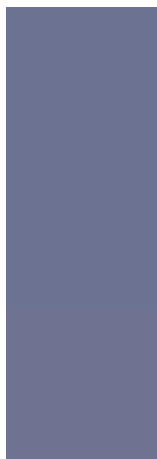


This preview shows how white text looks on a background with the Yxy color 17.5249, 0.2706, 0.2709.

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

17.5249, 0.2706, 0.2709

Protanopia

17.5249, 0.2706, 0.2709

Deuteranopia

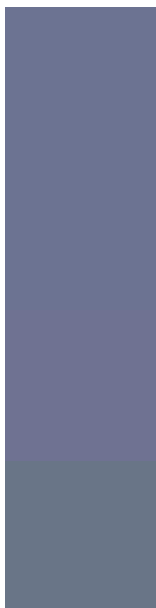
17.5547, 0.2748, 0.2697



Tritanopia

17.4584, 0.2847, 0.3091

Trichromacy



Original Color

17.5249, 0.2706, 0.2709

Protanomaly

17.5249, 0.2706, 0.2709

Deuteranomaly

17.4895, 0.2737, 0.2695

Tritanomaly

17.4751, 0.2785, 0.2939

Monochromacy



Original Color

17.5249, 0.2706, 0.2709

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

17.5338, 0.2963, 0.3076

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.5249, 0.2706, 0.2709 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(108, 115, 146)` looks like.

```
.text, #text, p{  
    color:rgb(108, 115, 146)  
}
```

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(108, 115, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 115, 146) }
```

Border

The CSS property to change the border of an element to Yxy 17.5249, 0.2706, 0.2709 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(108, 115, 146) }
```

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

```
.border{ border-color:rgb(108, 115, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 115, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 115, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 115, 146);  
box-shadow:4px 4px 4px 4px rgb(108, 115,  
146) }
```


Background

The CSS property to change the background color of an element to Yxy 17.5249, 0.2706, 0.2709 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 115, 146) }
```

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

```
.background{ background-color: rgb(108,  
115, 146) }
```

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