

Converting Colors

$Y_{xy}(17.8586, 0.2731, 0.2655)$

Have a look what the booklet for
Yxy(17.8586, 0.2731, 0.2655)
contains.

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Color

Yxy(17.9421, 0.2731, 0.2668)

Conversions

Conversions Part 1

Format	Color
Hex	717395
RGB	113, 115, 149
RGB Percent	44%, 45%, 58%
CMY	0.5569, 0.5490, 0.4156
CMYK	0.24, 0.23, 0.00, 0.42
HSL	237°, 15%, 51%
HSV	237°, 24%, 58%
XYZ	18.3658, 17.9421, 30.9414
YIQ	118.2780, -12.1060, 10.1500

Conversions

Conversions Part 2

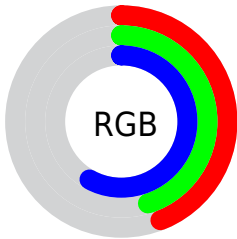
Format	Color
RYB	113, 115, 149
Decimal	7435157
CIELab	49.43, 7.06, -18.69
CIElCh	49, 19.974, 290.687
Yxy	17.9421, 0.2731, 0.2668
Android (android.graphics.Color)	4285625237 (0xFF717395)
YUV	118.2780, 15.1459, -4.6288
Hunter-Lab	42.3581, 3.2679, -13.6590

Details

The Yxy color $17.9421, 0.2731, 0.2668$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $28.4550, 0.3488, 0.3844$, and the grayscale version is $18.1628, 0.3127, 0.3290$.

A 20% lighter version of the original color is $39.9486, 0.2822, 0.2810$, and $5.9861, 0.2562, 0.2425$ is the 20% darker color. If you saturate the color by 10%, you get $14.0669, 0.2539, 0.2362$, and if you desaturate by 10%, it is $22.4707, 0.2908, 0.2947$.

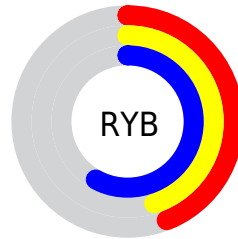
Distribution



Red (44%)

Green (45%)

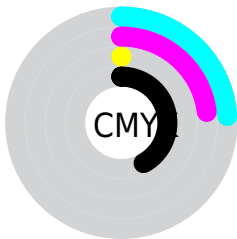
Blue (58%)



Red (44%)

Yellow (45%)

Blue (58%)

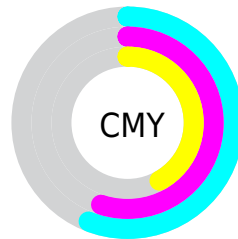


Cyan (24%)

Magenta (23%)

Yellow (0%)

Black (42%)



Cyan (56%)

Magenta (55%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.9421, 0.2731, 0.2668 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 17.9421, 0.2731, 0.2668 by changing the saturation by 10% instead.

■ 17.9421, 0.2731,
0.2668

■ 17.9421, 0.2731,
0.2668

■ 240.5445, 0.2960,
0.3018

■ 10.9084, 0.2661,
0.2566

■ 39.9386, 0.2823,
0.2806

■ 6.0053, 0.2562,
0.2424

■ 55.6703, 0.2855,
0.2854

■ 2.8483, 0.2411,
0.2216

■ 75.0701, 0.2881,
0.2894

■ 1.0531, 0.2160,
0.1885

■ 98.5224, 0.2902,
0.2927

■ 0.0000, 0.0813,
0.0000

■ 126.4115, 0.2920,
0.2955

■ 0.0000, 0.0000,
0.0000

159.1220, 0.2935,

0.2979

197.0382, 0.2948,
0.3000

■ 17.9421, 0.2731,
0.2668

■ 17.9421, 0.2731,
0.2668

■ 14.0669, 0.2539,
0.2362

■ 22.4707, 0.2908,
0.2947

■ 10.8130, 0.2337,
0.2036

■ 27.6786, 0.3066,
0.3195

■ 8.1486, 0.2132,
0.1704

■ 33.5931, 0.3207,
0.3413

■ 6.0383, 0.1938,
0.1383

■ 40.2391, 0.3330,
0.3603

■ 4.4432, 0.1769,
0.1096

■ 47.6405, 0.3437,
0.3767

■ 3.3188, 0.1636,
0.0865

■ 55.8200, 0.3530,
0.3909

■ 2.6132, 0.1549,
0.0706

■ 64.7993, 0.3611,
0.4031

■ 2.3522, 0.1513,
0.0645

■ 74.5995, 0.3682,
0.4137

■ 85.2406, 0.3743,
0.4228

Harmonies

Analogous

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



17.9421, 0.2493, 0.2715



17.9421, 0.2731, 0.2668



17.9421, 0.3087, 0.2768

Triad

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



17.9421, 0.2731, 0.2668



17.9421, 0.3894, 0.3592



17.9421, 0.2768, 0.3620

Complementary

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



17.9421, 0.2731, 0.2668



28.4550, 0.3488, 0.3844

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.



17.9421, 0.3130, 0.3899



17.9421, 0.2731, 0.2668



17.9421, 0.3789, 0.3853

Square

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



17.9421, 0.2731, 0.2668



17.9421, 0.3779, 0.3280



17.9421, 0.3505, 0.3979



17.9421, 0.2512, 0.3247

Rectangle

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



17.9421, 0.2731, 0.2668



17.9421, 0.3349, 0.2902



17.9421, 0.3505, 0.3979



17.9421, 0.2881, 0.3730

Sweetspot

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



17.9428, 0.2731, 0.2668



46.6628, 0.3021, 0.3125



27.1090, 0.2801, 0.3331



10.2345, 0.3013, 0.3113



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



17.9428, 0.2731, 0.2668



28.2304, 0.2629, 0.2506



18.6137, 0.2907, 0.2663



5.6820, 0.2989, 0.3074



1.9938, 0.1514, 0.0649



0.0348, 0.1579, 0.0884

Inverse Universe

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



19.4369, 0.3585, 0.3257



31.4203, 0.3724, 0.3249



27.7164, 0.3309, 0.3908



5.8203, 0.3274, 0.3278



5.3946, 0.6317, 0.3254



0.0671, 0.5937, 0.3044

Previews

White Background



This preview shows how the Yxy color 17.9421, 0.2731, 0.2668 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 17.9421, 0.2731, 0.2668 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

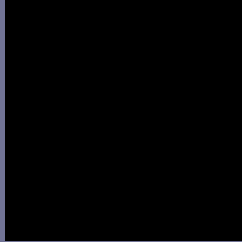
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.9421, 0.2731, 0.2668

Background



This preview shows how black text looks on a background with the Yxy color 17.9421, 0.2731, 0.2668.



This preview shows how white text looks on a background with the Yxy color 17.9421, 0.2731, 0.2668.

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

17.9421, 0.2731, 0.2668

Protanopia

17.9440, 0.2680, 0.2664

Deuteranopia

17.8761, 0.2721, 0.2667



Tritanopia

18.0034, 0.2906, 0.3114

Trichromacy



Original Color

17.9421, 0.2731, 0.2668

Protanomaly

18.0078, 0.2691, 0.2665

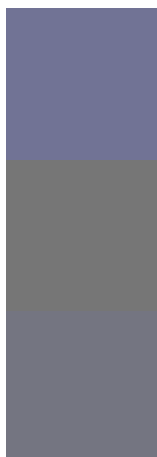
Deuteranomaly

17.8761, 0.2721, 0.2667

Tritanomaly

18.0494, 0.2832, 0.2946

Monochromacy



Original Color

17.9421, 0.2731, 0.2668

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

18.0206, 0.2977, 0.3061

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.9421, 0.2731, 0.2668 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(113, 115, 149)` looks like.

```
.text, #text, p{  
    color:rgb(113, 115, 149)  
}
```

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(113, 115, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 115, 149) }
```

Border

The CSS property to change the border of an element to Yxy 17.9421, 0.2731, 0.2668 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(113, 115, 149) }
```

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

```
.border{ border-color:rgb(113, 115, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 115, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 115, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 115, 149);  
box-shadow:4px 4px 4px 4px rgb(113, 115,  
149) }
```


Background

The CSS property to change the background color of an element to Yxy 17.9421, 0.2731, 0.2668 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 115, 149) }
```

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

```
.background{ background-color: rgb(113,  
115, 149) }
```

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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