

Converting Colors

$Y_{xy}(19.6806, 0.2791, 0.2793)$

Have a look what the booklet for
Yxy(19.6806, 0.2791, 0.2793)
contains.

Yxy(19.6962, 0.2794, 0.2789)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(19.6962, 0.2794, 0.2789)

Conversions

Conversions Part 1

Format	Color
Hex	767995
RGB	118, 121, 149
RGB Percent	46%, 47%, 58%
CMY	0.5373, 0.5255, 0.4157
CMYK	0.21, 0.19, 0.00, 0.42
HSL	234°, 13%, 52%
HSV	234°, 21%, 58%
XYZ	19.7315, 19.6962, 31.1933
YIQ	123.2950, -10.7760, 8.0720

Conversions

Conversions Part 2

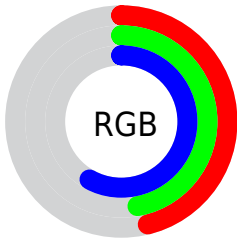
Format	Color
R _Y B	118, 121, 149
Decimal	7764373
CIE Lab	51.49, 5.14, -15.48
CIE LCh	51, 16.312, 288.384
Yxy	19.6962, 0.2794, 0.2789
Android (android.graphics.Color)	4285954453 (0xFF767995)
YUV	123.2950, 12.6726, -4.6437
Hunter-Lab	44.3804, 1.6953, -10.6064

Details

The Yxy color **19.6962, 0.2794, 0.2789** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **28.2466, 0.3440, 0.3746**, and the grayscale version is **19.8694, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.8569, 0.2875, 0.2898**, and **6.9121, 0.2660, 0.2611** is the 20% darker color. If you saturate the color by 10%, you get **15.6910, 0.2609, 0.2505**, and if you desaturate by 10%, it is **24.3234, 0.2963, 0.3045**.

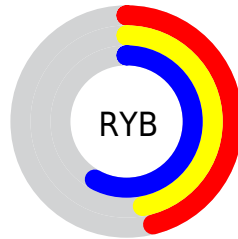
Distribution



Red (46%)

Green (47%)

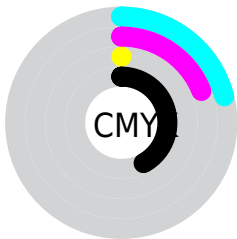
Blue (58%)



Red (46%)

Yellow (47%)

Blue (58%)

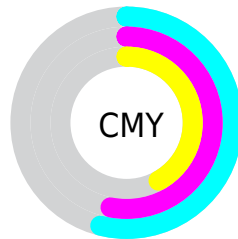


Cyan (21%)

Magenta (19%)

Yellow (0%)

Black (42%)



Cyan (54%)

Magenta (53%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.6962, 0.2794, 0.2789 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 19.6962, 0.2794, 0.2789 by changing the saturation by 10% instead.

■ 19.6962, 0.2794,
0.2789

■ 19.6962, 0.2794,
0.2789

■ 250.2657, 0.2984,
0.3069

■ 12.1744, 0.2737,
0.2707

■ 42.9073, 0.2870,
0.2899

■ 6.8626, 0.2657,
0.2594

■ 59.3653, 0.2896,
0.2938

■ 3.3763, 0.2536,
0.2429

■ 79.5709, 0.2917,
0.2970

■ 1.3312, 0.2336,
0.2164

■ 103.9084, 0.2935,
0.2996

■ 0.1652, 0.1623,
0.0948

■ 132.7622, 0.2950,
0.3019

■ 0.0000, 0.0000,
0.0000

166.5168, 0.2963,

0.3038

205.5565, 0.2974,
0.3055

■ 19.6962, 0.2794,
0.2789

■ 19.6962, 0.2794,
0.2789

■ 15.6910, 0.2609,
0.2505

■ 24.3234, 0.2963,
0.3045

■ 12.2790, 0.2414,
0.2199

■ 29.5952, 0.3116,
0.3273

■ 9.4326, 0.2213,
0.1879

■ 35.5358, 0.3251,
0.3472

■ 7.1211, 0.2018,
0.1560

■ 42.1675, 0.3370,
0.3646

■ 5.3108, 0.1840,
0.1261

■ 49.5116, 0.3475,
0.3796

■ 3.9643, 0.1694,
0.1004

■ 57.5884, 0.3566,
0.3926

■ 3.0387, 0.1587,
0.0805

■ 66.4176, 0.3646,
0.4038

■ 2.4979, 0.1523,
0.0681

■ 76.0180, 0.3716,
0.4135

■ 86.4076, 0.3777,
0.4219

Harmonies

Analogous

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



19.6962, 0.2609, 0.2841



19.6962, 0.2794, 0.2789



19.6962, 0.3074, 0.2859

Triad

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



19.6962, 0.2794, 0.2789



19.6962, 0.3732, 0.3519



19.6962, 0.2864, 0.3569

Complementary

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



19.6962, 0.2794, 0.2789



28.2466, 0.3440, 0.3746

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.



19.6962, 0.3157, 0.3776



19.6962, 0.2794, 0.2789



19.6962, 0.3665, 0.3728

Square

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



19.6962, 0.2794, 0.2789



19.6962, 0.3627, 0.3267



19.6962, 0.3451, 0.3831



19.6962, 0.2648, 0.3283

Rectangle

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



19.6962, 0.2794, 0.2789



19.6962, 0.3282, 0.2964



19.6962, 0.3451, 0.3831



19.6962, 0.2956, 0.3652

Sweetspot

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



19.6970, 0.2794, 0.2789



47.8450, 0.3037, 0.3156



27.4161, 0.2852, 0.3343



10.4850, 0.3028, 0.3143



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.



19.6970, 0.2794, 0.2789



31.7729, 0.2709, 0.2659



19.9002, 0.2931, 0.2755



5.7185, 0.2989, 0.3084



2.1249, 0.1524, 0.0687



0.0439, 0.1632, 0.1075

Inverse Universe

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



20.7235, 0.3490, 0.3240



34.0051, 0.3597, 0.3228



28.0850, 0.3296, 0.3814



5.8240, 0.3268, 0.3269



5.4079, 0.6254, 0.3219



0.0680, 0.5646, 0.2884

Previews

White Background



This preview shows how the Yxy color 19.6962, 0.2794, 0.2789 looks on a white 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

Black Background



This preview shows how the Yxy color 19.6962, 0.2794, 0.2789 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

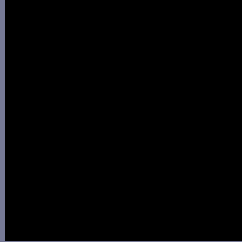
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

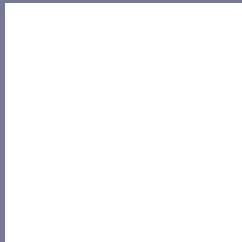
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 19.6962, 0.2794, 0.2789

Background



This preview shows how black text looks on a background with the Yxy color 19.6962, 0.2794, 0.2789.



This preview shows how white text looks on a background with the Yxy color 19.6962, 0.2794, 0.2789.

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

19.6962, 0.2794, 0.2789

Protanopia

19.5577, 0.2773, 0.2786

Deuteranopia

19.6678, 0.2826, 0.2775



Tritanopia

19.7814, 0.2914, 0.3103

Trichromacy



Original Color

19.6962, 0.2794, 0.2789

Protanomaly

19.6266, 0.2783, 0.2787

Deuteranomaly

19.5959, 0.2815, 0.2774

Tritanomaly

19.7430, 0.2874, 0.2995

Monochromacy



Original Color

19.6962, 0.2794, 0.2789

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

19.6500, 0.3004, 0.3105

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.6962, 0.2794, 0.2789 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(118, 121, 149)` looks like.

```
.text, #text, p{  
    color:rgb(118, 121, 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(118, 121, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 121, 149) }
```

Border

The CSS property to change the border of an element to Yxy 19.6962, 0.2794, 0.2789 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(118, 121, 149) }
```

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

```
.border{ border-color:rgb(118, 121, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 121, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 121, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 121, 149);  
box-shadow:4px 4px 4px 4px rgb(118, 121,  
149) }
```


Background

The CSS property to change the background color of an element to Yxy 19.6962, 0.2794, 0.2789 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 121, 149) }
```

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

```
.background{ background-color: rgb(118,  
121, 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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