

Converting Colors

$Y_{xy}(22.6228, 0.2819, 0.2823)$

Have a look what the booklet for
Yxy(22.6228, 0.2819, 0.2823)
contains.

Yxy(22.5705, 0.2811, 0.2815) 3

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Color

Yxy(22.5705, 0.2811, 0.2815)

Conversions

Conversions Part 1	
Format	Color
Hex	7E819D
RGB	126, 129, 157
RGB Percent	49%, 51%, 62%
CMY	0.5060, 0.4941, 0.3843
CMYK	0.20, 0.18, 0.00, 0.38
HSL	234°, 14%, 55%
HSV	234°, 20%, 62%
XYZ	22.5384, 22.5705, 35.0705
YIQ	131.2950, -10.7760, 8.0720

Conversions

Conversions Part 2

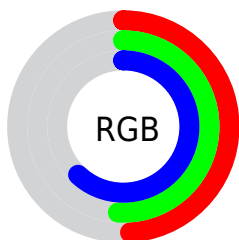
Format	Color
RYB	126, 129, 157
Decimal	8290717
CIELab	54.63, 5.05, -15.32
CIELCh	55, 16.136, 288.245
Yxy	22.5705, 0.2811, 0.2815
Android (android.graphics.Color)	4286480797 (0xFF7E819D)
YUV	131.2950, 12.6726, -4.6437
Hunter-Lab	47.5084, 1.5423, -10.5117

Details

The Yxy color $22.5705, 0.2811, 0.2815$ is a dark color, and the websafe version is hex `9999CC`. A complement of this color would be $31.7795, 0.3425, 0.3724$, and the grayscale version is $22.7642, 0.3127, 0.3290$.

A 20% lighter version of the original color is $47.7931, 0.2878, 0.2914$, and $8.3144, 0.2678, 0.2634$ is the 20% darker color. If you saturate the color by 10%, you get $17.9925, 0.2627, 0.2532$, and if you desaturate by 10%, it is $27.8553, 0.2979, 0.3070$.

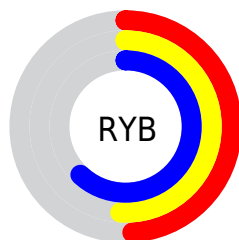
Distribution



Red (49%)

Green (51%)

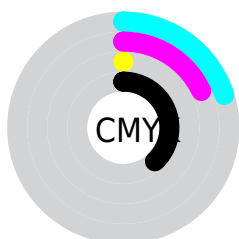
Blue (62%)



Red (49%)

Yellow (51%)

Blue (62%)

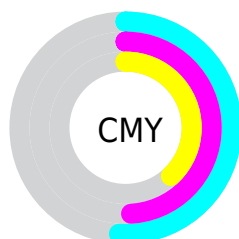


Cyan (20%)

Magenta (18%)

Yellow (0%)

Black (38%)



Cyan (51%)


Magenta (49%)


Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.5705, 0.2811, 0.2815 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 22.5705, 0.2811, 0.2815 by changing the saturation by 10% instead.


 22.5705, 0.2811,
0.2815


 22.5705, 0.2811,
0.2815


265.5113, 0.2988,
0.3076


 14.2767, 0.2759,
0.2741


 47.6871, 0.2880,
0.2916

 8.3134, 0.2688,
0.2641


 65.2787, 0.2905,
0.2952

 4.2961, 0.2584,
0.2496


 86.7384, 0.2925,
0.2982

 1.8405, 0.2416,
0.2272

112.4505, 0.2942,
0.3006

 0.5123, 0.2093,
0.1757

142.7994, 0.2956,
0.3028

 0.0000, 0.0000,
0.0000

178.1696, 0.2968,

0.3046

218.9454, 0.2979,
0.3062

■ 22.5705, 0.2811,
0.2815

■ 22.5705, 0.2811,
0.2815

■ 17.9925, 0.2627,
0.2532

■ 27.8553, 0.2979,
0.3070

■ 14.0886, 0.2431,
0.2226

■ 33.8721, 0.3131,
0.3295

■ 10.8278, 0.2230,
0.1906

■ 40.6486, 0.3265,
0.3492

■ 8.1753, 0.2033,
0.1585

■ 48.2099, 0.3383,
0.3664

■ 6.0932, 0.1853,
0.1283

■ 56.5800, 0.3486,
0.3812

■ 4.5393, 0.1703,
0.1020

■ 65.7821, 0.3577,
0.3940

■ 3.4653, 0.1593,
0.0816

■ 75.8382, 0.3656,
0.4051

■ 2.7976, 0.1523,
0.0679

■ 86.7696, 0.3725,
0.4147

■ 2.7855, 0.1521,
0.0677

■ 95.2146, 0.3706,
0.4247

Harmonies

Analogous

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



22.5705, 0.2636, 0.2865



22.5705, 0.2811, 0.2815



22.5705, 0.3076, 0.2881

Triad

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



22.5705, 0.2811, 0.2815



22.5705, 0.3699, 0.3507



22.5705, 0.2880, 0.3555

Complementary

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



22.5705, 0.2811, 0.2815



31.7795, 0.3425, 0.3724

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.



22.5705, 0.3157, 0.3749



22.5705, 0.2811, 0.2815



22.5705, 0.3637, 0.3705

Square

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



22.5705, 0.2811, 0.2815



22.5705, 0.3599, 0.3268



22.5705, 0.3435, 0.3800



22.5705, 0.2674, 0.3285

Rectangle

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



22.5705, 0.2811, 0.2815



22.5705, 0.3272, 0.2981



22.5705, 0.3435, 0.3800



22.5705, 0.2967, 0.3632

Sweetspot

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



22.5714, 0.2811, 0.2815



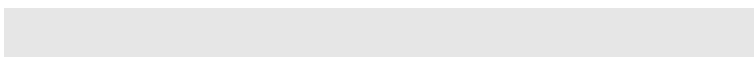
53.6547, 0.3036, 0.3155



30.8810, 0.2864, 0.3340



11.6698, 0.3027, 0.3142



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



22.5714, 0.2811, 0.2815



36.4109, 0.2726, 0.2686



22.7879, 0.2941, 0.2782



6.5343, 0.2987, 0.3082



2.2895, 0.1523, 0.0684



0.0678, 0.1626, 0.1054

Inverse Universe

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



23.6708, 0.3469, 0.3242



38.8251, 0.3574, 0.3230



31.6060, 0.3288, 0.3789



6.6561, 0.3269, 0.3268



5.8533, 0.6259, 0.3222



0.1074, 0.5678, 0.2902

Previews

White Background



This preview shows how the Yxy color 22.5705, 0.2811, 0.2815 looks on a white background.

Color Contrast Check

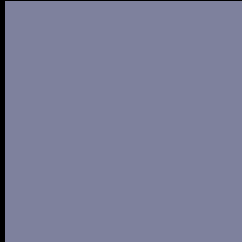
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.5705, 0.2811, 0.2815 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

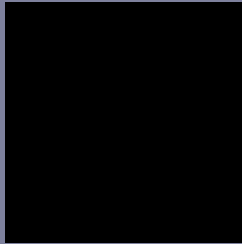
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

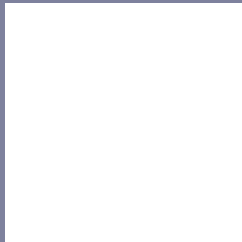
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 22.5705, 0.2811, 0.2815

Background



This preview shows how black text looks on a background with the Yxy color 22.5705, 0.2811, 0.2815.



This preview shows how white text looks on a background with the Yxy color 22.5705, 0.2811, 0.2815.

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

22.5705, 0.2811, 0.2815

Protanopia

22.4948, 0.2801, 0.2814

Deuteranopia

22.6185, 0.2852, 0.2803



Tritanopia

22.6665, 0.2926, 0.3113

Trichromacy



Original Color
22.5705, 0.2811, 0.2815

Protanomaly
22.4948, 0.2801, 0.2814

Deuteranomaly
22.5398, 0.2842, 0.2802

Tritanomaly
22.6243, 0.2887, 0.3011

Monochromacy



Original Color
22.5705, 0.2811, 0.2815

Achromatopsia
22.6966, 0.3127, 0.3290

Achromatomaly
22.5258, 0.3011, 0.3115

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.5705, 0.2811, 0.2815 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(126, 129, 157) looks like.

```
.text, #text, p{  
    color:rgb(126, 129, 157)  
}
```

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(126, 129, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 129, 157) }
```

Border

The CSS property to change the border of an element to Yxy 22.5705, 0.2811, 0.2815 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(126, 129, 157) }
```

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

```
.border{ border-color:rgb(126, 129, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 129, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 129, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 129, 157);  
box-shadow:4px 4px 4px 4px rgb(126, 129,  
157) }
```


Background

The CSS property to change the background color of an element to Yxy 22.5705, 0.2811, 0.2815 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 129, 157) }
```

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

```
.background{ background-color: rgb(126,  
129, 157) }
```

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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