

Converting Colors

$Y_{xy}(20.2578, 0.2807, 0.2827)$

Have a look what the booklet for
Yxy(20.2578, 0.2807, 0.2827)
contains.

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Color

Yxy(20.2578, 0.2807, 0.2827)

Conversions

Conversions Part 1

Format	Color
Hex	777B95
RGB	119, 123, 149
RGB Percent	47%, 48%, 58%
CMY	0.5334, 0.5176, 0.4157
CMYK	0.20, 0.17, 0.00, 0.42
HSL	232°, 12%, 53%
HSV	232°, 20%, 58%
XYZ	20.1145, 20.2578, 31.2860
YIQ	124.7680, -10.7300, 7.2380

Conversions

Conversions Part 2

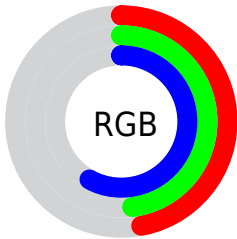
Format	Color
RYB	119, 123, 149
Decimal	7830421
CIELab	52.13, 4.31, -14.51
CIELCh	52, 15.140, 286.534
Yxy	20.2578, 0.2807, 0.2827
Android (android.graphics.Color)	4286020501 (0xFF777B95)
YUV	124.7680, 11.9464, -5.0585
Hunter-Lab	45.0087, 1.0069, -9.7071

Details

The Yxy color $20.2578, 0.2807, 0.2827$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $27.9689, 0.3433, 0.3714$, and the grayscale version is $20.3879, 0.3127, 0.3290$.

A 20% lighter version of the original color is $43.7424, 0.2884, 0.2925$, and $7.0815, 0.2678, 0.2642$ is the 20% darker color. If you saturate the color by 10%, you get $16.2918, 0.2626, 0.2557$, and if you desaturate by 10%, it is $24.8129, 0.2974, 0.3071$.

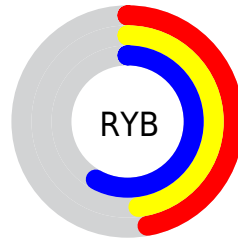
Distribution



Red (47%)

Green (48%)

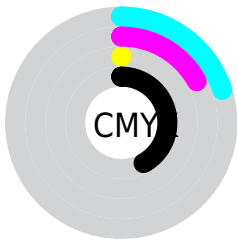
Blue (58%)



Red (47%)

Yellow (48%)

Blue (58%)

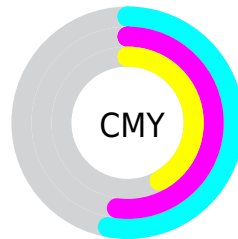


Cyan (20%)

Magenta (17%)

Yellow (0%)

Black (42%)



Cyan (53%)

Magenta (52%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.2578, 0.2807, 0.2827 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 20.2578, 0.2807, 0.2827 by changing the saturation by 10% instead.

■ 20.2578, 0.2807,
0.2827

■ 20.2578, 0.2807,
0.2827

253.3073, 0.2989,
0.3086

■ 12.5826, 0.2753,
0.2752

■ 43.8490, 0.2879,
0.2928

■ 7.1417, 0.2677,
0.2648

■ 60.5337, 0.2904,
0.2964

■ 3.5509, 0.2563,
0.2495

■ 80.9905, 0.2925,
0.2994

■ 1.4257, 0.2375,
0.2250

105.6035, 0.2942,
0.3018

■ 0.2355, 0.1760,
0.1260

134.7574, 0.2956,
0.3039

■ 0.0000, 0.0000,
0.0000

168.8363, 0.2969,

0.3057

208.2249, 0.2979,
0.3072

■ 20.2578, 0.2807,
0.2827

■ 20.2578, 0.2807,
0.2827

■ 16.2918, 0.2626,
0.2557

■ 24.8129, 0.2974,
0.3071

■ 12.8885, 0.2433,
0.2264

■ 29.9773, 0.3125,
0.3287

■ 10.0228, 0.2237,
0.1956

■ 35.7733, 0.3260,
0.3477

■ 7.6669, 0.2044,
0.1645

■ 42.2214, 0.3380,
0.3642

■ 5.7907, 0.1868,
0.1348

■ 49.3410, 0.3485,
0.3786

■ 4.3604, 0.1719,
0.1085

■ 57.1508, 0.3578,
0.3910

■ 3.3382, 0.1608,
0.0873

■ 65.6687, 0.3660,
0.4018

■ 2.6685, 0.1534,
0.0721

■ 74.9121, 0.3732,
0.4111

■ 84.8976, 0.3796,
0.4191

Harmonies

Analogous

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



20.2578, 0.2643, 0.2883



20.2578, 0.2807, 0.2827



20.2578, 0.3062, 0.2885

Triad

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



20.2578, 0.2807, 0.2827



20.2578, 0.3682, 0.3489



20.2578, 0.2901, 0.3561

Complementary

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



20.2578, 0.2807, 0.2827



27.9689, 0.3433, 0.3714

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.



20.2578, 0.3173, 0.3743



20.2578, 0.2807, 0.2827



20.2578, 0.3630, 0.3685

Square

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



20.2578, 0.2807, 0.2827



20.2578, 0.3576, 0.3255



20.2578, 0.3441, 0.3785



20.2578, 0.2695, 0.3301

Rectangle

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



20.2578, 0.2807, 0.2827



20.2578, 0.3252, 0.2979



20.2578, 0.3441, 0.3785



20.2578, 0.2987, 0.3634

Sweetspot

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



20.2586, 0.2807, 0.2827



48.0204, 0.3037, 0.3161



27.4470, 0.2874, 0.3367



10.5272, 0.3028, 0.3149



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.



20.2586, 0.2807, 0.2827



33.0668, 0.2730, 0.2713



20.0668, 0.2921, 0.2771



5.7508, 0.2989, 0.3092



2.2730, 0.1536, 0.0729



0.0520, 0.1676, 0.1232

Inverse Universe

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



21.0111, 0.3462, 0.3223



34.7169, 0.3555, 0.3208



28.2745, 0.3307, 0.3794



5.8273, 0.3262, 0.3261



5.4228, 0.6185, 0.3181



0.0688, 0.5421, 0.2760

Previews

White Background



This preview shows how the Yxy color 20.2578, 0.2807, 0.2827 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 20.2578, 0.2807, 0.2827 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

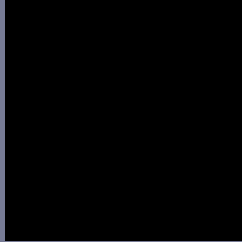
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

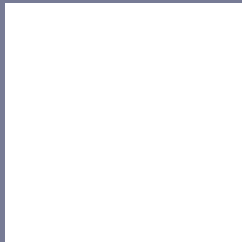
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 20.2578, 0.2807, 0.2827

Background



This preview shows how black text looks on a background with the Yxy color 20.2578, 0.2807, 0.2827.



This preview shows how white text looks on a background with the Yxy color 20.2578, 0.2807, 0.2827.

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

20.2578, 0.2807, 0.2827

Protanopia

20.2578, 0.2807, 0.2827

Deuteranopia

20.1298, 0.2860, 0.2798



Tritanopia

20.1295, 0.2916, 0.3104

Trichromacy



Original Color

20.2578, 0.2807, 0.2827

Protanomaly

20.2578, 0.2807, 0.2827

Deuteranomaly

20.2266, 0.2839, 0.2813

Tritanomaly

20.0907, 0.2875, 0.2997

Monochromacy



Original Color

20.2578, 0.2807, 0.2827

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

20.3475, 0.3006, 0.3108

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.2578, 0.2807, 0.2827 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(119, 123, 149)` looks like.

```
.text, #text, p{  
    color:rgb(119, 123, 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(119, 123, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 123, 149) }
```

Border

The CSS property to change the border of an element to Yxy 20.2578, 0.2807, 0.2827 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(119, 123, 149) }
```

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

```
.border{ border-color:rgb(119, 123, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 123, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(119, 123, 149); -webkit-box-shadow:4px 4px 4px 4px rgb(119, 123, 149); box-shadow:4px 4px 4px 4px rgb(119, 123, 149) }
```


Background

The CSS property to change the background color of an element to Yxy 20.2578, 0.2807, 0.2827 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 123, 149) }
```

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

```
.background{ background-color: rgb(119,  
123, 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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