

Converting Colors

$Y_{xy}(18.9054, 0.2844, 0.2791)$

Have a look what the booklet for
Yxy(18.9054, 0.2844, 0.2791)
contains.

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Color

Yxy(18.9943, 0.2853, 0.2803)

Conversions

Conversions Part 1

Format	Color
Hex	787691
RGB	120, 118, 145
RGB Percent	47%, 46%, 57%
CMY	0.5295, 0.5372, 0.4314
CMYK	0.17, 0.19, 0.00, 0.43
HSL	244°, 11%, 52%
HSV	244°, 19%, 57%
XYZ	19.3331, 18.9943, 29.4368
YIQ	121.6760, -7.4750, 8.8210

Conversions

Conversions Part 2

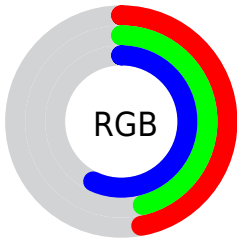
Format	Color
R _Y B	120, 118, 145
Decimal	7894673
CIE Lab	50.68, 6.64, -14.36
CIE LCh	51, 15.815, 294.809
Yxy	18.9943, 0.2853, 0.2803
Android (android.graphics.Color)	4286084753 (0xFF787691)
YUV	121.6760, 11.4987, -1.4699
Hunter-Lab	43.5825, 2.9131, -9.5383

Details

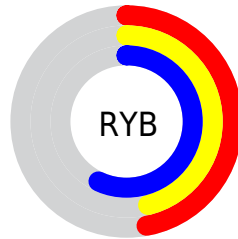
The Yxy color $18.9943, 0.2853, 0.2803$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $27.4028, 0.3376, 0.3740$, and the grayscale version is $19.3144, 0.3127, 0.3290$.

A 20% lighter version of the original color is $41.7572, 0.2920, 0.2909$, and $6.5461, 0.2728, 0.2605$ is the 20% darker color. If you saturate the color by 10%, you get $14.9437, 0.2679, 0.2499$, and if you desaturate by 10%, it is $23.7064, 0.3008, 0.3078$.

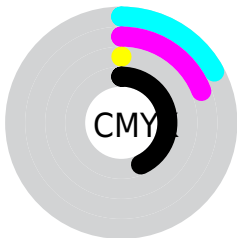
Distribution



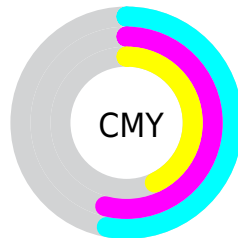
- Red (47%)
- Green (46%)
- Blue (57%)



- Red (47%)
- Yellow (46%)
- Blue (57%)



- Cyan (17%)
- Magenta (19%)
- Yellow (0%)
- Black (43%)



- Cyan (53%)
- Magenta (54%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.9943, 0.2853, 0.2803 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 18.9943, 0.2853, 0.2803 by changing the saturation by 10% instead.

■ 18.9943, 0.2853,
0.2803

■ 18.9943, 0.2853,
0.2803

246.4173, 0.3011,
0.3076

■ 11.6662, 0.2805,
0.2723

■ 41.7245, 0.2916,
0.2911

■ 6.5168, 0.2736,
0.2611

■ 57.8953, 0.2938,
0.2948

■ 3.1618, 0.2631,
0.2447

■ 77.7824, 0.2956,
0.2979

■ 1.2168, 0.2453,
0.2181

101.7704, 0.2971,
0.3005

■ 0.0753, 0.1669,
0.0538

130.2434, 0.2983,
0.3027

■ 0.0000, 0.0000,
0.0000

163.5860, 0.2994,

0.3046

202.1825, 0.3003,
0.3062

■ 18.9943, 0.2853,
0.2803

■ 18.9943, 0.2853,
0.2803

■ 14.9437, 0.2679,
0.2499

■ 23.7064, 0.3008,
0.3078

■ 11.5229, 0.2490,
0.2172

■ 29.1052, 0.3145,
0.3322

■ 8.7007, 0.2291,
0.1833

■ 35.2177, 0.3264,
0.3536

■ 6.4427, 0.2091,
0.1499

■ 42.0686, 0.3366,
0.3723

■ 4.7110, 0.1903,
0.1191

■ 49.6813, 0.3454,
0.3884

■ 3.4627, 0.1742,
0.0935

■ 58.0783, 0.3529,
0.4024

■ 2.6484, 0.1619,
0.0749

■ 67.2812, 0.3594,
0.4145

■ 2.1695, 0.1539,
0.0631

■ 77.3107, 0.3649,
0.4250

■ 2.1129, 0.1530,
0.0616

■ 88.1867, 0.3697,
0.4341

Harmonies

Analogous

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



18.9943, 0.2647, 0.2827



18.9943, 0.2853, 0.2803



18.9943, 0.3141, 0.2896

Triad

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



18.9943, 0.2853, 0.2803



18.9943, 0.3721, 0.3565



18.9943, 0.2815, 0.3507

Complementary

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



18.9943, 0.2853, 0.2803



27.4028, 0.3376, 0.3740

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.



18.9943, 0.3092, 0.3734



18.9943, 0.2853, 0.2803



18.9943, 0.3621, 0.3753

Square

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



18.9943, 0.2853, 0.2803



18.9943, 0.3654, 0.3321



18.9943, 0.3388, 0.3823



18.9943, 0.2626, 0.3222

Rectangle

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



18.9943, 0.2853, 0.2803



18.9943, 0.3343, 0.3011



18.9943, 0.3388, 0.3823



18.9943, 0.2900, 0.3594

Sweetspot

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



18.9951, 0.2853, 0.2803



44.7442, 0.3044, 0.3142



25.6030, 0.2855, 0.3258



9.8380, 0.3036, 0.3127



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.



18.9951, 0.2853, 0.2803



31.0913, 0.2788, 0.2690



20.0149, 0.3008, 0.2825



5.2727, 0.3000, 0.3064



1.8172, 0.1532, 0.0618



0.0204, 0.1685, 0.0702

Inverse Universe

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



20.9632, 0.3171, 0.2875



35.2368, 0.3181, 0.2788



26.2830, 0.3229, 0.3762



5.5043, 0.3148, 0.3089



6.6511, 0.3396, 0.1645



0.0649, 0.3295, 0.1589

Previews

White Background



This preview shows how the Yxy color 18.9943, 0.2853, 0.2803 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 18.9943, 0.2853, 0.2803 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

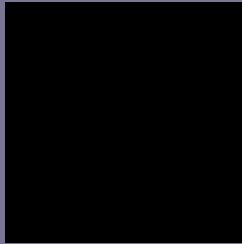
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.9943, 0.2853, 0.2803

Background



This preview shows how black text looks on a background with the Yxy color 18.9943, 0.2853, 0.2803.



This preview shows how white text looks on a background with the Yxy color 18.9943, 0.2853, 0.2803.

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

18.9943, 0.2853, 0.2803

Protanopia

18.9138, 0.2788, 0.2797

Deuteranopia

18.9943, 0.2853, 0.2803



Tritanopia

19.0684, 0.2979, 0.3120

Trichromacy



Original Color

18.9943, 0.2853, 0.2803

Protanomaly

19.0509, 0.2810, 0.2800

Deuteranomaly

18.9943, 0.2853, 0.2803

Tritanomaly

19.0338, 0.2936, 0.3011

Monochromacy



Original Color

18.9943, 0.2853, 0.2803

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

19.3514, 0.3026, 0.3123

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.9943, 0.2853, 0.2803 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(120, 118, 145)` looks like.

```
.text, #text, p{  
    color:rgb(120, 118, 145)  
}
```

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(120, 118, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 118, 145) }
```

Border

The CSS property to change the border of an element to Yxy 18.9943, 0.2853, 0.2803 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(120, 118, 145) }
```

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

```
.border{ border-color:rgb(120, 118, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 118, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 118, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 118, 145);  
box-shadow:4px 4px 4px 4px rgb(120, 118,  
145) }
```


Background

The CSS property to change the background color of an element to Yxy 18.9943, 0.2853, 0.2803 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 118, 145) }
```

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

```
.background{ background-color: rgb(120,  
118, 145) }
```

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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