

Converting Colors

$Y_{xy}(18.3086, 0.2981, 0.2757)$

Have a look what the booklet for
Yxy(18.3086, 0.2981, 0.2757)
contains.

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Color

Yxy(18.2386, 0.2978, 0.2742)

Conversions

Conversions Part 1

Format	Color
Hex	81708F
RGB	129, 112, 143
RGB Percent	51%, 44%, 56%
CMY	0.4940, 0.5608, 0.4392
CMYK	0.10, 0.22, 0.00, 0.44
HSL	273°, 12%, 50%
HSV	273°, 22%, 56%
XYZ	19.8084, 18.2386, 28.4687
YIQ	120.6170, 0.1810, 13.2450

Conversions

Conversions Part 2

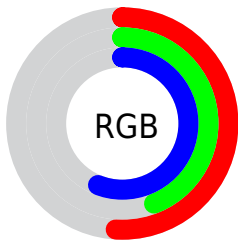
Format	Color
R _Y B	129, 112, 143
Decimal	8482959
CIE Lab	49.78, 12.89, -14.47
CIE LCh	50, 19.377, 311.698
Yxy	18.2386, 0.2978, 0.2742
Android (android.graphics.Color)	4286673039 (0xFF81708F)
YUV	120.6170, 11.0348, 7.3519
Hunter-Lab	42.7067, 8.0559, -9.6287

Details

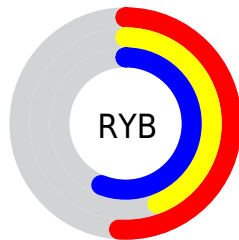
The Yxy color $18.2386, 0.2978, 0.2742$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $25.2539, 0.3251, 0.3845$, and the grayscale version is $18.9555, 0.3127, 0.3290$.

A 20% lighter version of the original color is $40.5272, 0.3012, 0.2863$, and $6.1194, 0.2892, 0.2516$ is the 20% darker color. If you saturate the color by 10%, you get $14.8408, 0.2892, 0.2466$, and if you desaturate by 10%, it is $22.1712, 0.3053, 0.3005$.

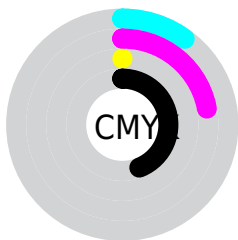
Distribution



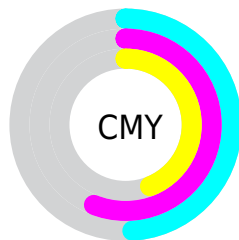
- Red (51%)
- Green (44%)
- Blue (56%)



- Red (51%)
- Yellow (44%)
- Blue (56%)



- Cyan (10%)
- Magenta (22%)
- Yellow (0%)
- Black (44%)





- Cyan (49%)
- Magenta (56%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.2386, 0.2978, 0.2742 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 18.2386, 0.2978, 0.2742 by changing the saturation by 10% instead.


 18.2386, 0.2978,
0.2742

 18.2386, 0.2978,
0.2742


242.2125, 0.3067,
0.3048


 11.1214, 0.2949,
0.2653


 40.4435, 0.3015,
0.2862


 6.1486, 0.2907,
0.2530


 56.3000, 0.3027,
0.2904

 2.9356, 0.2840,
0.2349

 75.8383, 0.3037,
0.2939

 1.0982, 0.2720,
0.2059

 99.4430, 0.3045,
0.2968

 0.0000, 0.2285,
0.0000

127.4984, 0.3052,
0.2993

 0.0000, 0.0000,
0.0000

160.3888, 0.3058,

0.3014

198.4987, 0.3063,
0.3032

■ 18.2386, 0.2978,
0.2742

■ 18.2386, 0.2978,
0.2742

■ 14.8408, 0.2892,
0.2466

■ 22.1712, 0.3053,
0.3005

■ 11.9511, 0.2795,
0.2183

■ 26.6588, 0.3117,
0.3250

■ 9.5444, 0.2688,
0.1903

■ 31.7236, 0.3172,
0.3476

■ 7.5921, 0.2574,
0.1638

■ 37.3856, 0.3217,
0.3682

■ 6.0625, 0.2457,
0.1400

■ 43.6641, 0.3255,
0.3868

4.9198, 0.2340,
0.1202

50.5773, 0.3286,
0.4035

4.1220, 0.2229,
0.1052

58.1427, 0.3312,
0.4184

3.6244, 0.2141,
0.0953

66.3773, 0.3333,
0.4318

75.2971, 0.3350,
0.4438

Harmonies

Analogous

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



18.2386, 0.2661, 0.2686



18.2386, 0.2978, 0.2742



18.2386, 0.3355, 0.2923

Triad

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



18.2386, 0.2978, 0.2742



18.2386, 0.3818, 0.3769



18.2386, 0.2593, 0.3358

Complementary

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



18.2386, 0.2978, 0.2742



25.2539, 0.3251, 0.3845

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.



18.2386, 0.2879, 0.3704



18.2386, 0.2978, 0.2742



18.2386, 0.3588, 0.3937

Square

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



18.2386, 0.2978, 0.2742



18.2386, 0.3856, 0.3494



18.2386, 0.3242, 0.3922



18.2386, 0.2449, 0.3016

Rectangle

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



18.2386, 0.2978, 0.2742



18.2386, 0.3586, 0.3095



18.2386, 0.3242, 0.3922



18.2386, 0.2675, 0.3479

Sweetspot

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



18.2394, 0.2978, 0.2742



43.2205, 0.3083, 0.3119



20.4703, 0.2795, 0.2986



9.8202, 0.3080, 0.3106



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.



18.2394, 0.2978, 0.2742



29.5833, 0.2938, 0.2609



19.3804, 0.3164, 0.2787



5.3917, 0.3070, 0.3068



3.2165, 0.2146, 0.0956



0.0439, 0.2613, 0.1213

Inverse Universe

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



18.9341, 0.3363, 0.3048



31.0871, 0.3430, 0.2991



24.2867, 0.3090, 0.3851



5.4620, 0.3216, 0.3191



5.5000, 0.5108, 0.2587



0.0569, 0.4160, 0.2065

Previews

White Background



This preview shows how the Yxy color 18.2386, 0.2978, 0.2742 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 18.2386, 0.2978, 0.2742 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 18.2386, 0.2978, 0.2742

Background



This preview shows how black text looks on a background with the Yxy color 18.2386, 0.2978, 0.2742.



This preview shows how white text looks on a background with the Yxy color 18.2386, 0.2978, 0.2742.

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

18.2386, 0.2978, 0.2742

Protanopia

18.2739, 0.2743, 0.2738

Deuteranopia

18.2953, 0.2860, 0.2813



Tritanopia

18.1523, 0.3161, 0.3123

Trichromacy



Original Color

18.2386, 0.2978, 0.2742

Protanomaly

18.1883, 0.2817, 0.2727

Deuteranomaly

18.3520, 0.2906, 0.2801

Tritanomaly

18.1853, 0.3091, 0.2979

Monochromacy



Original Color

18.2386, 0.2978, 0.2742

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

18.8269, 0.3075, 0.3087

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.2386, 0.2978, 0.2742 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(129, 112, 143)` looks like.

```
.text, #text, p{  
    color:rgb(129, 112, 143)  
}
```

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(129, 112, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 112, 143) }
```

Border

The CSS property to change the border of an element to Yxy 18.2386, 0.2978, 0.2742 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(129, 112, 143) }
```

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

```
.border{ border-color:rgb(129, 112, 143) }
```

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

Here you see how a box with a 4 pixel rgb(129, 112, 143) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 112, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 112, 143);  
box-shadow:4px 4px 4px 4px rgb(129, 112,  
143) }
```


Background

The CSS property to change the background color of an element to Yxy 18.2386, 0.2978, 0.2742 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 112, 143) }
```

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

```
.background{ background-color: rgb(129,  
112, 143) }
```

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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