

Converting Colors

$Y_{xy}(18.9477, 0.3032, 0.2751)$

Have a look what the booklet for
Yxy(18.9477, 0.3032, 0.2751)
contains.

Yxy(18.9748, 0.3040, 0.2756)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(18.9748, 0.3040, 0.2756)

Conversions

Conversions Part 1

Format	Color
Hex	877190
RGB	135, 113, 144
RGB Percent	53%, 44%, 56%
CMY	0.4706, 0.5568, 0.4353
CMYK	0.06, 0.22, 0.00, 0.44
HSL	283°, 12%, 50%
HSV	283°, 22%, 56%
XYZ	20.9301, 18.9748, 28.9441
YIQ	123.1120, 3.1610, 14.3050

Conversions

Conversions Part 2

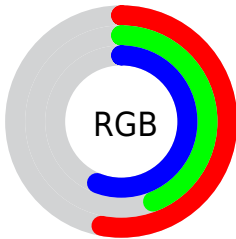
Format	Color
R_{YB}	135, 113, 144
Decimal	8876432
CIE _{Lab}	50.66, 14.62, -13.67
CIE _{LCh}	51, 20.014, 316.920
Yxy	18.9748, 0.3040, 0.2756
Android (android.graphics.Color)	4287066512 (0xFF877190)
YUV	123.1120, 10.2978, 10.4258
Hunter-Lab	43.5601, 9.5371, -8.9041

Details

The Yxy color $18.9748, 0.3040, 0.2756$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $25.2767, 0.3196, 0.3850$, and the grayscale version is $19.8110, 0.3127, 0.3290$.

A 20% lighter version of the original color is $41.6789, 0.3057, 0.2870$, and $6.5200, 0.2988, 0.2545$ is the 20% darker color. If you saturate the color by 10%, you get $15.6731, 0.2988, 0.2492$, and if you desaturate by 10%, it is $22.8016, 0.3085, 0.3012$.

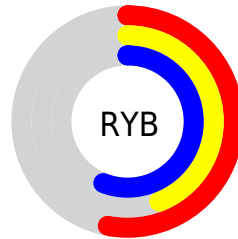
Distribution



Red (53%)

Green (44%)

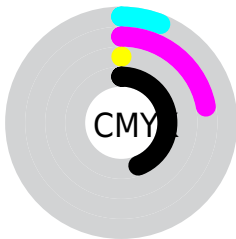
Blue (56%)



Red (53%)

Yellow (44%)

Blue (56%)

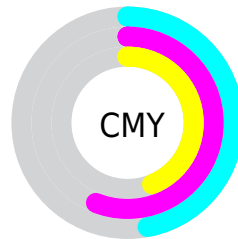


Cyan (6%)

Magenta (22%)

Yellow (0%)

Black (44%)



Cyan (47%)

Magenta (56%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.9748, 0.3040, 0.2756 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 18.9748, 0.3040, 0.2756 by changing the saturation by 10% instead.

■ 18.9748, 0.3040,
0.2756

■ 18.9748, 0.3040,
0.2756

■ 246.3096, 0.3094,
0.3052

■ 11.6521, 0.3022,
0.2671

■ 41.6915, 0.3063,
0.2872

■ 6.5072, 0.2995,
0.2553

■ 57.8543, 0.3070,
0.2913

■ 3.1559, 0.2952,
0.2382

■ 77.7325, 0.3076,
0.2946

■ 1.2137, 0.2872,
0.2110

■ 101.7106, 0.3081,
0.2974

■ 0.0728, 0.2775,
0.0474

■ 130.1730, 0.3085,
0.2998

■ 0.0000, 0.0000,
0.0000

163.5040, 0.3088,

0.3019

202.0881, 0.3091,
0.3037

■ 18.9748, 0.3040,
0.2756

■ 18.9748, 0.3040,
0.2756

■ 15.6731, 0.2988,
0.2492

■ 22.8016, 0.3085,
0.3012

■ 12.8699, 0.2929,
0.2228

■ 27.1736, 0.3122,
0.3254

■ 10.5400, 0.2863,
0.1972

■ 32.1129, 0.3153,
0.3481

■ 8.6548, 0.2791,
0.1734

■ 37.6395, 0.3178,
0.3690

■ 7.1828, 0.2715,
0.1526

■ 43.7725, 0.3199,
0.3881

6.0880, 0.2638,
0.1357

50.5301, 0.3215,
0.4055

5.3284, 0.2562,
0.1232

57.9298, 0.3228,
0.4211

4.8483, 0.2499,
0.1150

65.9882, 0.3237,
0.4353

74.7216, 0.3245,
0.4480

Harmonies

Analogous

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



18.9748, 0.2700, 0.2675



18.9748, 0.3040, 0.2756



18.9748, 0.3424, 0.2959

Triad

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



18.9748, 0.3040, 0.2756



18.9748, 0.3803, 0.3817



18.9748, 0.2546, 0.3294

Complementary

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



18.9748, 0.3040, 0.2756



25.2767, 0.3196, 0.3850

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.



18.9748, 0.2815, 0.3656



18.9748, 0.3040, 0.2756



18.9748, 0.3541, 0.3962

Square

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



18.9748, 0.3040, 0.2756



18.9748, 0.3879, 0.3550



18.9748, 0.3178, 0.3910



18.9748, 0.2429, 0.2958

Rectangle

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



18.9748, 0.3040, 0.2756



18.9748, 0.3649, 0.3141



18.9748, 0.3178, 0.3910



18.9748, 0.2621, 0.3418

Sweetspot

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



18.9756, 0.3040, 0.2756



44.2598, 0.3106, 0.3145



19.5184, 0.2791, 0.2891



10.0498, 0.3104, 0.3131



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.



18.9756, 0.3040, 0.2756



30.4381, 0.3015, 0.2625



19.5698, 0.3226, 0.2872



5.4334, 0.3094, 0.3070



4.2344, 0.2503, 0.1153



0.0518, 0.2849, 0.1343

Inverse Universe

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



19.1460, 0.3425, 0.3135



30.8243, 0.3515, 0.3097



24.7940, 0.3042, 0.3747



5.4483, 0.3239, 0.3226



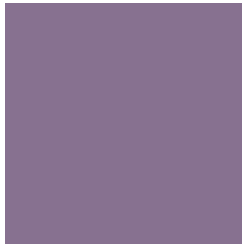
5.3115, 0.5733, 0.2932



0.0542, 0.4677, 0.2350

Previews

White Background



This preview shows how the Yxy color 18.9748, 0.3040, 0.2756 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 18.9748, 0.3040, 0.2756 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

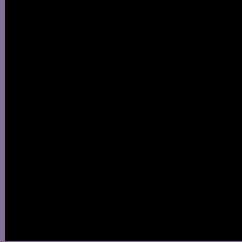
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.9748, 0.3040, 0.2756

Background



This preview shows how black text looks on a background with the Yxy color 18.9748, 0.3040, 0.2756.



This preview shows how white text looks on a background with the Yxy color 18.9748, 0.3040, 0.2756.

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

18.9748, 0.3040, 0.2756

Protanopia

19.1485, 0.2759, 0.2781

Deuteranopia

19.0776, 0.2897, 0.2840



Tritanopia

18.8770, 0.3224, 0.3127

Trichromacy



Original Color

18.9748, 0.3040, 0.2756

Protanomaly

18.9667, 0.2855, 0.2755

Deuteranomaly

18.9860, 0.2955, 0.2811

Tritanomaly

18.9140, 0.3154, 0.2987

Monochromacy



Original Color

18.9748, 0.3040, 0.2756

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

19.3444, 0.3088, 0.3072

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.9748, 0.3040, 0.2756 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(135, 113, 144)` looks like.

```
.text, #text, p{  
    color:rgb(135, 113, 144)  
}
```

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(135, 113, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 113, 144) }
```

Border

The CSS property to change the border of an element to Yxy 18.9748, 0.3040, 0.2756 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(135, 113, 144) }
```

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

```
.border{ border-color:rgb(135, 113, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 113, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 113, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 113, 144);  
box-shadow:4px 4px 4px 4px rgb(135, 113,  
144) }
```


Background

The CSS property to change the background color of an element to Yxy 18.9748, 0.3040, 0.2756 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 113, 144) }
```

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

```
.background{ background-color: rgb(135,  
113, 144) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor