

Converting Colors

$Y_{xy}(18.0477, 0.3229, 0.2375)$

Have a look what the booklet for
Yxy(18.0477, 0.3229, 0.2375)
contains.

Yxy(18.0246, 0.3236, 0.2380)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(18.0246, 0.3236, 0.2380)

Conversions

Conversions Part 1

Format	Color
Hex	A05F9B
RGB	160, 95, 155
RGB Percent	63%, 37%, 61%
CMY	0.3725, 0.6275, 0.3921
CMYK	0.00, 0.41, 0.03, 0.37
HSL	305°, 25%, 50%
HSV	305°, 41%, 63%
XYZ	24.5074, 18.0246, 33.2016
YIQ	121.2750, 19.4800, 32.4400

Conversions

Conversions Part 2

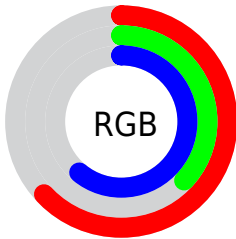
Format	Color
R_{YB}	160, 95, 155
Decimal	10510235
CIE _{Lab}	49.53, 35.80, -21.64
CIE _{LCh}	50, 41.834, 328.849
Yxy	18.0246, 0.3236, 0.2380
Android (android.graphics.Color)	4288700315 (0xFFA05F9B)
YUV	121.2750, 16.6264, 33.9618
Hunter-Lab	42.4554, 28.7423, -16.6481

Details

The Yxy color $18.0246, 0.3236, 0.2380$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $28.4971, 0.3032, 0.4410$, and the grayscale version is $19.1550, 0.3127, 0.3290$.

A 20% lighter version of the original color is $40.1195, 0.3218, 0.2562$, and $6.0793, 0.3246, 0.2069$ is the 20% darker color. If you saturate the color by 10%, you get $15.3918, 0.3267, 0.2176$, and if you desaturate by 10%, it is $21.2515, 0.3206, 0.2600$.

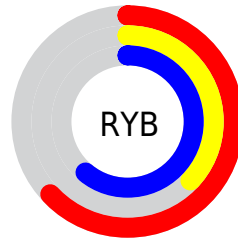
Distribution



Red (63%)

Green (37%)

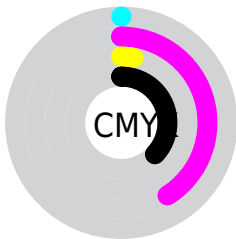
Blue (61%)



Red (63%)

Yellow (37%)

Blue (61%)

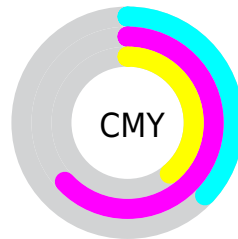


Cyan (0%)

Magenta (41%)

Yellow (3%)

Black (37%)



Cyan (37%)


Magenta (63%)


Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.0246, 0.3236, 0.2380 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 18.0246, 0.3236, 0.2380 by changing the saturation by 10% instead.


 18.0246, 0.3236,
0.2380


 18.0246, 0.3236,
0.2380


241.0097, 0.3188,
0.2869


 10.9677, 0.3244,
0.2247


 40.0792, 0.3221,
0.2566


 6.0451, 0.3252,
0.2070


 55.8457, 0.3214,
0.2633

 2.8725, 0.3255,
0.1824

 75.2842, 0.3208,
0.2689

 1.0655, 0.3241,
0.1465

 98.7790, 0.3203,
0.2737

 0.0000, 0.3480,
0.0000

126.7145, 0.3199,
0.2777

 0.0000, 0.0000,
0.0000

159.4752, 0.3195,

0.2812

197.4455, 0.3191,
0.2842

■ 18.0246, 0.3236,
0.2380

■ 18.0246, 0.3236,
0.2380

■ 15.3918, 0.3267,
0.2176

■ 21.2515, 0.3206,
0.2600

■ 13.3141, 0.3299,
0.1997

■ 25.1035, 0.3178,
0.2827

■ 11.7518, 0.3330,
0.1852


■ 29.6124, 0.3152,
0.3055


■ 10.6590, 0.3359,
0.1747

■ 34.8068, 0.3129,
0.3276

■ 9.9813, 0.3386,
0.1683

■ 40.7141, 0.3108,
0.3488

 9.6032, 0.3410,
0.1652

 47.3599, 0.3089,
0.3687

 54.7686, 0.3073,
0.3871

 62.9634, 0.3059,
0.4041

 71.9667, 0.3047,
0.4197

Harmonies

Analogous

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



18.0246, 0.2489, 0.2128



18.0246, 0.3236, 0.2380



18.0246, 0.4050, 0.2816

Triad

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



18.0246, 0.3236, 0.2380



18.0246, 0.4298, 0.4482



18.0246, 0.1837, 0.2933

Complementary

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



18.0246, 0.3236, 0.2380



28.4971, 0.3032, 0.4410

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.



18.0246, 0.2216, 0.3770



18.0246, 0.3236, 0.2380



18.0246, 0.3629, 0.4769

Square

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



18.0246, 0.3236, 0.2380



18.0246, 0.4682, 0.3948



18.0246, 0.2866, 0.4528



18.0246, 0.1767, 0.2361

Rectangle

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



18.0246, 0.3236, 0.2380



18.0246, 0.4470, 0.3173



18.0246, 0.2866, 0.4528



18.0246, 0.1929, 0.3192

Sweetspot

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



18.0254, 0.3236, 0.2380



52.3676, 0.3156, 0.3019



13.3939, 0.2439, 0.2092



11.2616, 0.3159, 0.2992



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



18.0254, 0.3236, 0.2380



28.2381, 0.3265, 0.2189



17.0928, 0.3684, 0.2840



6.7458, 0.3149, 0.3086



7.4828, 0.3408, 0.1651



0.1361, 0.3320, 0.1603

Inverse Universe

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



18.0254, 0.3236, 0.2380



28.2381, 0.3265, 0.2189



29.2385, 0.2786, 0.3799



6.7458, 0.3149, 0.3086



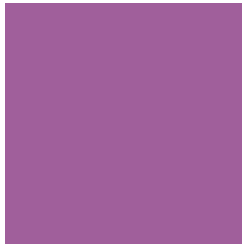
7.4828, 0.3408, 0.1651



0.1361, 0.3320, 0.1603

Previews

White Background



This preview shows how the Yxy color 18.0246, 0.3236, 0.2380 looks on a white background.

Color Contrast Check

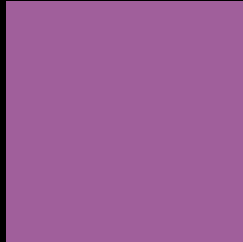
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.0246, 0.3236, 0.2380 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

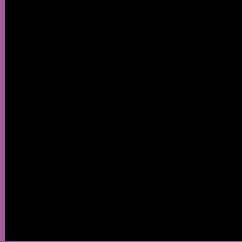
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.0246, 0.3236, 0.2380

Background



This preview shows how black text looks on a background with the Yxy color 18.0246, 0.3236, 0.2380.



This preview shows how white text looks on a background with the Yxy color 18.0246, 0.3236, 0.2380.

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

18.0246, 0.3236, 0.2380

Protanopia

18.1404, 0.2416, 0.2325

Deuteranopia

18.1699, 0.2703, 0.2653



Tritanopia

18.0390, 0.3746, 0.3158

Trichromacy



Original Color

18.0246, 0.3236, 0.2380

Protanomaly

17.5793, 0.2666, 0.2323

Deuteranomaly

17.6592, 0.2877, 0.2530

Tritanomaly

18.0340, 0.3552, 0.2853

Monochromacy



Original Color

18.0246, 0.3236, 0.2380

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

18.4327, 0.3170, 0.2919

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.0246, 0.3236, 0.2380 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(160, 95, 155)` looks like.

```
.text, #text, p{  
    color:rgb(160, 95, 155)  
}
```

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(160, 95, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 95, 155) }
```

Border

The CSS property to change the border of an element to Yxy 18.0246, 0.3236, 0.2380 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(160, 95, 155) }
```

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

```
.border{ border-color:rgb(160, 95, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 95, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 95, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 95, 155);  
box-shadow:4px 4px 4px 4px rgb(160, 95,  
155) }
```


Background

The CSS property to change the background color of an element to Yxy 18.0246, 0.3236, 0.2380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 95, 155) }
```

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

```
.background{ background-color: rgb(160, 95,  
155) }
```

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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