

Converting Colors

$Y_{xy}(23.1775, 0.3512, 0.2714)$

Have a look what the booklet for
Yxy(23.1775, 0.3512, 0.2714)
contains.

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Color

Yxy(23.3065, 0.3516, 0.2723)

Conversions

Conversions Part 1

Format	Color
Hex	B46F97
RGB	180, 111, 151
RGB Percent	71%, 44%, 59%
CMY	0.2941, 0.5647, 0.4078
CMYK	0.00, 0.38, 0.16, 0.29
HSL	325°, 32%, 57%
HSV	325°, 38%, 71%
XYZ	30.0939, 23.3065, 32.1909
YIQ	136.1910, 28.2840, 27.0680

Conversions

Conversions Part 2

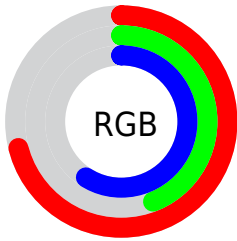
Format	Color
R_{YB}	180, 111, 151
Decimal	11825047
CIE _{Lab}	55.39, 33.09, -10.16
CIE _{LCh}	55, 34.610, 342.937
Yxy	23.3065, 0.3516, 0.2723
Android (android.graphics.Color)	4290015127 (0xFFB46F97)
YUV	136.1910, 7.3008, 38.4205
Hunter-Lab	48.2768, 26.7856, -5.7407

Details

The Yxy color $23.3065, 0.3516, 0.2723$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $37.9186, 0.2870, 0.3941$, and the grayscale version is $24.6606, 0.3127, 0.3290$.

A 20% lighter version of the original color is $48.9632, 0.3438, 0.2842$, and $8.6932, 0.3662, 0.2532$ is the 20% darker color. If you saturate the color by 10%, you get $19.5292, 0.3662, 0.2579$, and if you desaturate by 10%, it is $27.8932, 0.3390, 0.2874$.

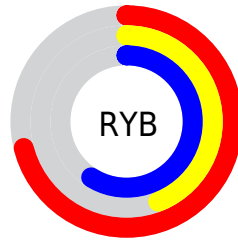
Distribution



Red (71%)

Green (44%)

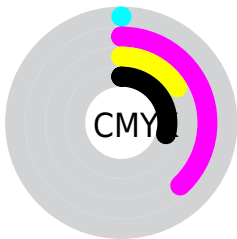
Blue (59%)



Red (71%)

Yellow (44%)

Blue (59%)

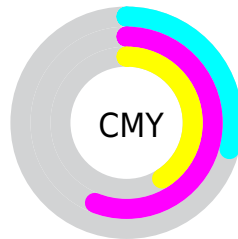


Cyan (0%)

Magenta (38%)

Yellow (16%)

Black (29%)



Cyan (29%)


Magenta (56%)

Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.3065, 0.3516, 0.2723 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 23.3065, 0.3516, 0.2723 by changing the saturation by 10% instead.


 23.3065, 0.3516,
0.2723


 23.3065, 0.3516,
0.2723


269.2954, 0.3306,
0.3026


 14.8200, 0.3574,
0.2641


 48.8961, 0.3436,
0.2838


 8.6931, 0.3653,
0.2531


 66.7680, 0.3407,
0.2879

 4.5416, 0.3764,
0.2377


 88.5371, 0.3383,
0.2914

 1.9809, 0.3935,
0.2148

 114.5879, 0.3362,
0.2943

 0.5963, 0.4262,
0.1701

145.3047, 0.3345,
0.2968

 0.0000, 0.6768,
0.0000

181.0720, 0.3330,

 0.0000, 0.0000,

0.2990

0.0000

222.2741, 0.3317,
0.3009

■ 23.3065, 0.3516,
0.2723

■ 23.3065, 0.3516,
0.2723

■ 19.5292, 0.3662,
0.2579

■ 27.8932, 0.3390,
0.2874

■ 16.5100, 0.3827,
0.2451

■ 33.3303, 0.3282,
0.3026

■ 14.1967, 0.4008,
0.2351


■ 39.6597, 0.3191,
0.3173


■ 12.5291, 0.4200,
0.2289


■ 46.9197, 0.3115,
0.3313


■ 11.4365, 0.4396,
0.2277

■ 55.1463, 0.3052,
0.3444

 10.8016, 0.4588,
0.2312

 64.3735, 0.3000,
0.3565

 10.7106, 0.4621,
0.2319

 74.6338, 0.2956,
0.3677

 85.9540, 0.2920,
0.3779

 86.3438, 0.2881,
0.3691

Harmonies

Analogous

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



23.3065, 0.2896, 0.2442



23.3065, 0.3516, 0.2723



23.3065, 0.4065, 0.3130

Triad

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



23.3065, 0.3516, 0.2723



23.3065, 0.3833, 0.4353



23.3065, 0.2054, 0.2796

Complementary

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



23.3065, 0.3516, 0.2723



37.9186, 0.2870, 0.3941

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.



23.3065, 0.2252, 0.3357



23.3065, 0.3516, 0.2723



23.3065, 0.3263, 0.4360

Square

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



23.3065, 0.3516, 0.2723



23.3065, 0.4236, 0.4043



23.3065, 0.2685, 0.3974



23.3065, 0.2105, 0.2449

Rectangle

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



23.3065, 0.3516, 0.2723



23.3065, 0.4285, 0.3439



23.3065, 0.2685, 0.3974



23.3065, 0.2092, 0.2963

Sweetspot

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



23.3076, 0.3516, 0.2723



67.2679, 0.3225, 0.3117



20.2186, 0.2723, 0.2229



14.2209, 0.3236, 0.3098



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



23.3076, 0.3516, 0.2723



36.3759, 0.3638, 0.2600



22.3517, 0.3977, 0.3209



8.5851, 0.3200, 0.3159



7.4884, 0.4599, 0.2307



0.2470, 0.4115, 0.2041

Inverse Universe

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



23.3076, 0.3516, 0.2723



36.3759, 0.3638, 0.2600



39.0910, 0.2639, 0.3377



8.5851, 0.3200, 0.3159



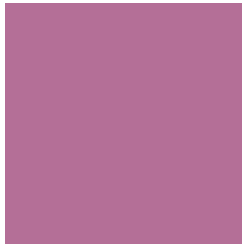
7.4884, 0.4599, 0.2307



0.2470, 0.4115, 0.2041

Previews

White Background



This preview shows how the Yxy color 23.3065, 0.3516, 0.2723 looks on a white background.

Color Contrast Check

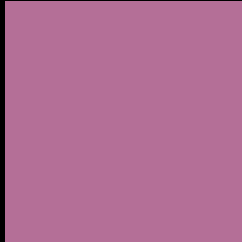
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.3065, 0.3516, 0.2723 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

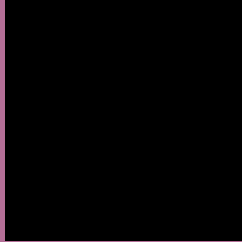
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.3065, 0.3516, 0.2723

Background



This preview shows how black text looks on a background with the Yxy color 23.3065, 0.3516, 0.2723.



This preview shows how white text looks on a background with the Yxy color 23.3065, 0.3516, 0.2723.

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

23.3065, 0.3516, 0.2723

Protanopia

23.5791, 0.2733, 0.2742

Deuteranopia

23.3276, 0.3040, 0.2974



Tritanopia

23.3186, 0.3804, 0.3159

Trichromacy



Original Color

23.3065, 0.3516, 0.2723

Protanomaly

22.9731, 0.2983, 0.2717

Deuteranomaly

22.9590, 0.3207, 0.2863

Tritanomaly

23.2208, 0.3704, 0.2999

Monochromacy



Original Color

23.3065, 0.3516, 0.2723

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

23.7772, 0.3267, 0.3065

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.3065, 0.3516, 0.2723 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(180, 111, 151)` looks like.

```
.text, #text, p{  
    color:rgb(180, 111, 151)  
}
```

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(180, 111, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 111, 151) }
```

Border

The CSS property to change the border of an element to Yxy 23.3065, 0.3516, 0.2723 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(180, 111, 151) }
```

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

```
.border{ border-color:rgb(180, 111, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 111, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 111, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 111, 151);  
box-shadow:4px 4px 4px 4px rgb(180, 111,  
151) }
```


Background

The CSS property to change the background color of an element to Yxy 23.3065, 0.3516, 0.2723 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 111, 151) }
```

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

```
.background{ background-color: rgb(180,  
111, 151) }
```

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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