

Converting Colors

$Y_{xy}(23.2013, 0.4007, 0.3170)$

Have a look what the booklet for
Yxy(23.2013, 0.4007, 0.3170)
contains.

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Color

Yxy(23.1640, 0.4007, 0.3165)

Conversions

Conversions Part 1

Format	Color
Hex	BA6F78
RGB	186, 111, 120
RGB Percent	73%, 44%, 47%
CMY	0.2706, 0.5647, 0.5294
CMYK	0.00, 0.40, 0.35, 0.27
HSL	353°, 35%, 58%
HSV	353°, 40%, 73%
XYZ	29.3264, 23.1640, 20.6976
YIQ	134.4510, 41.8110, 18.6990

Conversions

Conversions Part 2

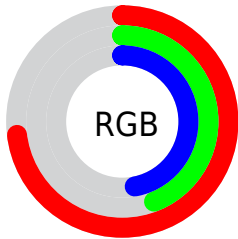
Format	Color
R_{YB}	186, 111, 120
Decimal	12218232
CIE _{Lab}	55.24, 30.79, 7.83
CIE _{LCh}	55, 31.773, 14.272
Yxy	23.1640, 0.4007, 0.3165
Android (android.graphics.Color)	4290408312 (0xFFBA6F78)
YUV	134.4510, -7.1243, 45.2085
Hunter-Lab	48.1290, 24.5396, 8.1930

Details

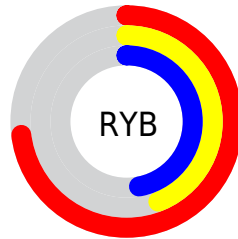
The Yxy color **23.1640, 0.4007, 0.3165** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **41.6755, 0.2634, 0.3425**, and the grayscale version is **24.0308, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.7626, 0.3813, 0.3204**, and **8.5512, 0.4342, 0.3082** is the 20% darker color. If you saturate the color by 10%, you get **19.1559, 0.4356, 0.3138**, and if you desaturate by 10%, it is **28.0875, 0.3716, 0.3196**.

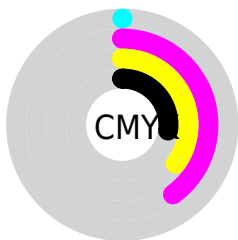
Distribution



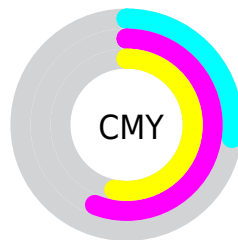
- Red (73%)
- Green (44%)
- Blue (47%)



- Red (73%)
- Yellow (44%)
- Blue (47%)



- Cyan (0%)
- Magenta (40%)
- Yellow (35%)
- Black (27%)





- Cyan (27%)
- Magenta (56%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.1640, 0.4007, 0.3165 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 23.1640, 0.4007, 0.3165 by changing the saturation by 10% instead.


 23.1640, 0.4007,
0.3165


 23.1640, 0.4007,
0.3165


268.5662, 0.3512,
0.3245


 14.7147, 0.4152,
0.3137


 48.6625, 0.3812,
0.3199


 8.6194, 0.4353,
0.3096


 66.4804, 0.3744,
0.3210

 4.4938, 0.4648,
0.3028

 88.1899, 0.3688,
0.3219

 1.9534, 0.5121,
0.2905

 114.1755, 0.3641,
0.3226

 0.5802, 0.6770,
0.2821

144.8216, 0.3602,
0.3232

 0.0000, 1.0000,
0.0000

180.5124, 0.3568,

 0.0000, 0.0000,

0.3237

0.0000

221.6325, 0.3538,
0.3241

■ 23.1640, 0.4007,
0.3165

■ 23.1640, 0.4007,
0.3165

■ 19.1559, 0.4356,
0.3138

■ 28.0875, 0.3716,
0.3196

■ 16.0034, 0.4760,
0.3120

■ 33.9744, 0.3478,
0.3229

■ 13.6451, 0.5198,
0.3116

■ 40.8736, 0.3286,
0.3260

■ 12.0098, 0.5630,
0.3133


■ 48.8297, 0.3132,
0.3289


■ 11.0138, 0.5998,
0.3173


■ 57.8843, 0.3007,
0.3316

 10.4996, 0.6252,
0.3218

 68.0772, 0.2906,
0.3341

 79.4460, 0.2823,
0.3363

 88.9216, 0.2751,
0.3332

 89.1803, 0.2731,
0.3289

Harmonies

Analogous

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



23.1640, 0.3512, 0.2779



23.1640, 0.4007, 0.3165



23.1640, 0.4241, 0.3601

Triad

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



23.1640, 0.4007, 0.3165



23.1640, 0.3233, 0.4259



23.1640, 0.2185, 0.2504

Complementary

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



23.1640, 0.4007, 0.3165



41.6755, 0.2634, 0.3425

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.



23.1640, 0.2128, 0.2820



23.1640, 0.4007, 0.3165



23.1640, 0.2700, 0.3892

Square

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



23.1640, 0.4007, 0.3165



23.1640, 0.3763, 0.4278



23.1640, 0.2305, 0.3330



23.1640, 0.2467, 0.2407

Rectangle

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



23.1640, 0.4007, 0.3165



23.1640, 0.4210, 0.3883



23.1640, 0.2305, 0.3330



23.1640, 0.2140, 0.2584

Sweetspot

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



23.1651, 0.4007, 0.3165



71.5933, 0.3319, 0.3254



24.1452, 0.3061, 0.2278



15.3922, 0.3343, 0.3250



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



23.1651, 0.4007, 0.3165



35.7272, 0.4299, 0.3142



29.9095, 0.3971, 0.3679



9.0293, 0.3269, 0.3263



7.0691, 0.6231, 0.3206



0.2550, 0.5710, 0.2919

Inverse Universe

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



23.1651, 0.4007, 0.3165



35.7272, 0.4299, 0.3142



31.5515, 0.2513, 0.2859



9.0293, 0.3269, 0.3263



7.0691, 0.6231, 0.3206



0.2550, 0.5710, 0.2919

Previews

White Background



This preview shows how the Yxy color 23.1640, 0.4007, 0.3165 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 23.1640, 0.4007, 0.3165 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

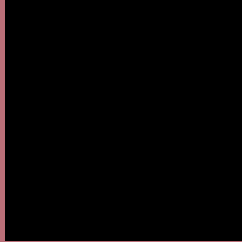
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.1640, 0.4007, 0.3165

Background



This preview shows how black text looks on a background with the Yxy color 23.1640, 0.4007, 0.3165.



This preview shows how white text looks on a background with the Yxy color 23.1640, 0.4007, 0.3165.

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

23.1640, 0.4007, 0.3165

Protanopia

23.2921, 0.3172, 0.3307

Deuteranopia

23.3020, 0.3532, 0.3474



Tritanopia

23.1399, 0.4021, 0.3179

Trichromacy



Original Color

23.1640, 0.4007, 0.3165

Protanomaly

22.8176, 0.3462, 0.3242

Deuteranomaly

23.1196, 0.3706, 0.3355

Tritanomaly

23.1399, 0.4021, 0.3179

Monochromacy



Original Color

23.1640, 0.4007, 0.3165

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

23.2790, 0.3420, 0.3242

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.1640, 0.4007, 0.3165 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(186, 111, 120)` looks like.

```
.text, #text, p{  
    color:rgb(186, 111, 120)  
}
```

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(186, 111, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 111, 120) }
```

Border

The CSS property to change the border of an element to Yxy 23.1640, 0.4007, 0.3165 is called "border". The border property can be set on classes, ids or directly on the HTML element.

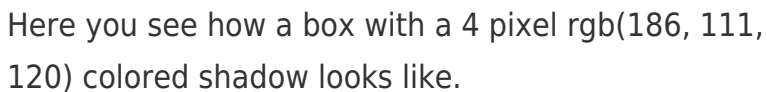
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(186, 111, 120) }
```

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

```
.border{ border-color:rgb(186, 111, 120) }
```

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



Here you see how a box with a 4 pixel `rgb(186, 111, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(186, 111, 120); -webkit-box-shadow:4px 4px 4px 4px rgb(186, 111, 120); box-shadow:4px 4px 4px 4px rgb(186, 111, 120) }
```


Background

The CSS property to change the background color of an element to Yxy 23.1640, 0.4007, 0.3165 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 111, 120) }
```

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

```
.background{ background-color: rgb(186,  
111, 120) }
```

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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