

Converting Colors

$Y_{xy}(21.6072, 0.3664, 0.2859)$

Have a look what the booklet for
Yxy(21.6072, 0.3664, 0.2859)
contains.

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Color

Yxy(21.5516, 0.3661, 0.2851)

Conversions

Conversions Part 1

Format	Color
Hex	B06B89
RGB	176, 107, 137
RGB Percent	69%, 42%, 54%
CMY	0.3099, 0.5803, 0.4628
CMYK	0.00, 0.39, 0.22, 0.31
HSL	334°, 30%, 55%
HSV	334°, 39%, 69%
XYZ	27.6746, 21.5516, 26.3669
YIQ	131.0510, 31.4940, 23.9580

Conversions

Conversions Part 2

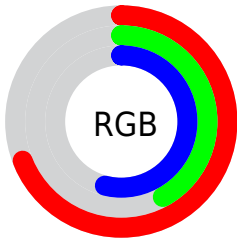
Format	Color
RYB	176, 107, 137
Decimal	11561865
CIELab	53.55, 31.62, -4.75
CIElCh	54, 31.978, 351.457
Yxy	21.5516, 0.3661, 0.2851
Android (android.graphics.Color)	4289751945 (0xFFB06B89)
YUV	131.0510, 2.9329, 39.4203
Hunter-Lab	46.4237, 25.1680, -1.1779

Details

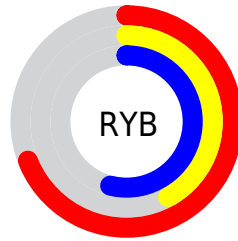
The Yxy color **21.5516, 0.3661, 0.2851** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **36.2466, 0.2795, 0.3783**, and the grayscale version is **22.6978, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.1830, 0.3548, 0.2954**, and **7.8518, 0.3876, 0.2703** is the 20% darker color. If you saturate the color by 10%, you get **17.9760, 0.3866, 0.2742**, and if you desaturate by 10%, it is **25.9024, 0.3487, 0.2966**.

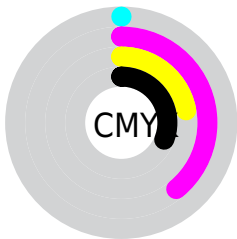
Distribution



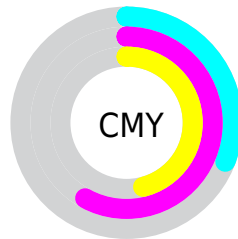
- Red (69%)
- Green (42%)
- Blue (54%)



- Red (69%)
- Yellow (42%)
- Blue (54%)



- Cyan (0%)
- Magenta (39%)
- Yellow (22%)
- Black (31%)





- Cyan (31%)
- Magenta (58%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.5516, 0.3661, 0.2851 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 21.5516, 0.3661, 0.2851 by changing the saturation by 10% instead.


 21.5516, 0.3661,
0.2851

 21.5516, 0.3661,
0.2851


260.1956, 0.3363,
0.3092


 13.5278, 0.3748,
0.2782


 46.0038, 0.3544,
0.2944

 7.7930, 0.3867,
0.2689


 63.2009, 0.3503,
0.2978

 3.9628, 0.4044,
0.2553

 84.2246, 0.3470,
0.3005

 1.6528, 0.4328,
0.2341

 109.4593, 0.3441,
0.3028

 0.3928, 0.5066,
0.1682

139.2894, 0.3417,
0.3048

 0.0000, 1.0000,
0.0000

174.0992, 0.3397,

 0.0000, 0.0000,

0.3065

0.0000

214.2731, 0.3379,
0.3079

■ 21.5516, 0.3661,
0.2851

■ 21.5516, 0.3661,
0.2851

■ 17.9760, 0.3866,
0.2742

■ 25.9024, 0.3487,
0.2966

■ 15.1261, 0.4102,
0.2649

■ 31.0677, 0.3341,
0.3081

■ 12.9518, 0.4366,
0.2583


■ 37.0879, 0.3220,
0.3193


■ 11.3948, 0.4647,
0.2556


■ 43.9997, 0.3120,
0.3298


■ 10.3871, 0.4931,
0.2579


■ 51.8378, 0.3037,
0.3396


 9.7994, 0.5204,
0.2647

 60.6348, 0.2970,
0.3487

 9.7571, 0.5226,
0.2653

 70.4219, 0.2914,
0.3570

 81.2289, 0.2867,
0.3646

 86.2683, 0.2821,
0.3607

Harmonies

Analogous

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



21.5516, 0.3071, 0.2541



21.5516, 0.3661, 0.2851



21.5516, 0.4122, 0.3265

Triad

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



21.5516, 0.3661, 0.2851



21.5516, 0.3658, 0.4336



21.5516, 0.2092, 0.2706

Complementary

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



21.5516, 0.3661, 0.2851



36.2466, 0.2795, 0.3783

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.



21.5516, 0.2216, 0.3191



21.5516, 0.3661, 0.2851



21.5516, 0.3097, 0.4232

Square

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



21.5516, 0.3661, 0.2851



21.5516, 0.4099, 0.4114



21.5516, 0.2572, 0.3781



21.5516, 0.2208, 0.2437

Rectangle

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



21.5516, 0.3661, 0.2851



21.5516, 0.4268, 0.3565



21.5516, 0.2572, 0.3781



21.5516, 0.2107, 0.2846

Sweetspot

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



21.5526, 0.3661, 0.2851



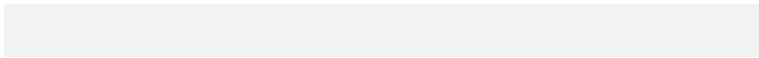
63.8143, 0.3254, 0.3160



19.6672, 0.2814, 0.2235



13.5258, 0.3269, 0.3146



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



21.5526, 0.3661, 0.2851



33.4168, 0.3836, 0.2757



21.5420, 0.4064, 0.3344



8.5646, 0.3221, 0.3191



7.1717, 0.5201, 0.2639



0.2374, 0.4509, 0.2258

Inverse Universe

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



21.5526, 0.3661, 0.2851



33.4168, 0.3836, 0.2757



35.9701, 0.2585, 0.3234



8.5646, 0.3221, 0.3191



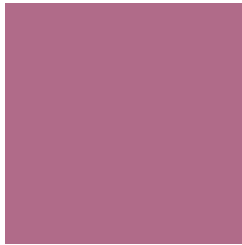
7.1717, 0.5201, 0.2639



0.2374, 0.4509, 0.2258

Previews

White Background



This preview shows how the Yxy color 21.5516, 0.3661, 0.2851 looks on a white background.

Color Contrast Check

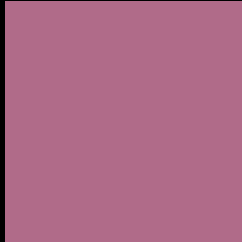
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.5516, 0.3661, 0.2851 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

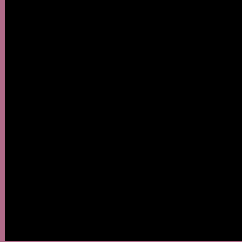
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.5516, 0.3661, 0.2851

Background



This preview shows how black text looks on a background with the Yxy color 21.5516, 0.3661, 0.2851.



This preview shows how white text looks on a background with the Yxy color 21.5516, 0.3661, 0.2851.

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

21.5516, 0.3661, 0.2851

Protanopia

21.6658, 0.2855, 0.2890

Deuteranopia

21.7917, 0.3182, 0.3135



Tritanopia

21.4824, 0.3874, 0.3157

Trichromacy



Original Color

21.5516, 0.3661, 0.2851

Protanomaly

21.3169, 0.3123, 0.2875

Deuteranomaly

21.3815, 0.3353, 0.3012

Tritanomaly

21.5576, 0.3793, 0.3038

Monochromacy



Original Color

21.5516, 0.3661, 0.2851

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

21.8156, 0.3308, 0.3107

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.5516, 0.3661, 0.2851 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(176, 107, 137)` looks like.

```
.text, #text, p{  
    color:rgb(176, 107, 137)  
}
```

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(176, 107, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 107, 137) }
```

Border

The CSS property to change the border of an element to Yxy 21.5516, 0.3661, 0.2851 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(176, 107, 137) }
```

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

```
.border{ border-color:rgb(176, 107, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 107, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 107, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 107, 137);  
box-shadow:4px 4px 4px 4px rgb(176, 107,  
137) }
```


Background

The CSS property to change the background color of an element to Yxy 21.5516, 0.3661, 0.2851 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 107, 137) }
```

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

```
.background{ background-color: rgb(176,  
107, 137) }
```

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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