

Converting Colors

$Y_{xy}(21.0956, 0.3448, 0.2470)$

Have a look what the booklet for
Yxy(21.0956, 0.3448, 0.2470)
contains.

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Color

Yxy(21.0956, 0.3448, 0.2470)

Conversions

Conversions Part 1

Format	Color
Hex	B4639E
RGB	180, 99, 158
RGB Percent	71%, 39%, 62%
CMY	0.2943, 0.6116, 0.3804
CMYK	0.00, 0.45, 0.12, 0.29
HSL	316°, 35%, 55%
HSV	316°, 45%, 71%
XYZ	29.4484, 21.0956, 34.8633
YIQ	129.9450, 29.3370, 35.5210

Conversions

Conversions Part 2

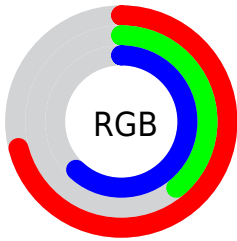
Format	Color
R _Y B	180, 99, 158
Decimal	11821982
CIE Lab	53.05, 40.69, -17.77
CIE LCh	53, 44.397, 336.411
Yxy	21.0956, 0.3448, 0.2470
Android (android.graphics.Color)	4290012062 (0xFFB4639E)
YUV	129.9450, 13.8311, 43.8982
Hunter-Lab	45.9299, 34.0696, -12.8533

Details

The Yxy color **21.0956, 0.3448, 0.2470** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **36.6621, 0.2916, 0.4292**, and the grayscale version is **22.2469, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.2651, 0.3381, 0.2631**, and **7.5354, 0.3535, 0.2189** is the 20% darker color. If you saturate the color by 10%, you get **17.8921, 0.3546, 0.2306**, and if you desaturate by 10%, it is **25.0675, 0.3359, 0.2650**.

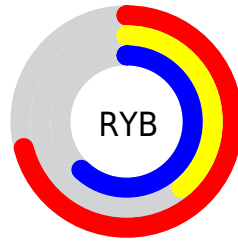
Distribution



Red (71%)

Green (39%)

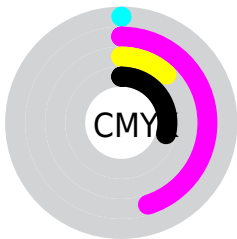
Blue (62%)



Red (71%)

Yellow (39%)

Blue (62%)

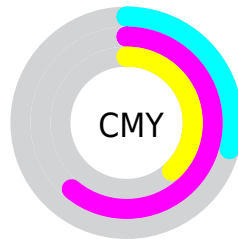


Cyan (0%)

Magenta (45%)

Yellow (12%)

Black (29%)



Cyan (29%)

Magenta (61%)

Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.0956, 0.3448, 0.2470 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 21.0956, 0.3448, 0.2470 by changing the saturation by 10% instead.

 21.0956, 0.3448,
0.2470


 21.0956, 0.3448,
0.2470


257.7861, 0.3280,
0.2903


 13.1939, 0.3492,
0.2355

 45.2466, 0.3386,
0.2633


 7.5622, 0.3549,
0.2202


 62.2647, 0.3363,
0.2692

 3.8161, 0.3626,
0.1993


 83.0903, 0.3343,
0.2742

 1.5712, 0.3736,
0.1690

 108.1079, 0.3327,
0.2784

 0.3381, 0.4011,
0.0963

137.7019, 0.3313,
0.2820

 0.0000, 0.3932,
0.0000

172.2567, 0.3301,

 0.0000, 0.0000,

0.2852

0.0000

212.1566, 0.3290,
0.2879

■ 21.0956, 0.3448,
0.2470

■ 21.0956, 0.3448,
0.2470

■ 17.8921, 0.3546,
0.2306

■ 25.0675, 0.3359,
0.2650

■ 15.4031, 0.3652,
0.2167

■ 29.8515, 0.3280,
0.2836

■ 13.5721, 0.3763,
0.2064

■ 35.4911, 0.3212,
0.3022

■ 12.3327, 0.3874,
0.2005

■ 42.0261, 0.3153,
0.3203

■ 11.6043, 0.3983,
0.1994

■ 49.4938, 0.3103,
0.3375

■ 11.3403, 0.4038,
0.1998

■ 57.9292, 0.3061,
0.3537

■ 67.3656, 0.3025,
0.3687

■ 77.8348, 0.2996,
0.3825

■ 85.4811, 0.2970,
0.3892

Harmonies

Analogous

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



21.0956, 0.2654, 0.2165



21.0956, 0.3448, 0.2470



21.0956, 0.4235, 0.2944

Triad

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



21.0956, 0.3448, 0.2470



21.0956, 0.4155, 0.4597



21.0956, 0.1783, 0.2754

Complementary

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



21.0956, 0.3448, 0.2470



36.6621, 0.2916, 0.4292

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.



21.0956, 0.2084, 0.3549



21.0956, 0.3448, 0.2470



21.0956, 0.3439, 0.4778

Square

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



21.0956, 0.3448, 0.2470



21.0956, 0.4632, 0.4096



21.0956, 0.2680, 0.4382



21.0956, 0.1788, 0.2262

Rectangle

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



21.0956, 0.3448, 0.2470



21.0956, 0.4590, 0.3315



21.0956, 0.2680, 0.4382



21.0956, 0.1849, 0.2991

Sweetspot

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



21.0966, 0.3448, 0.2470



66.3370, 0.3201, 0.3055



16.2603, 0.2503, 0.1983



13.8124, 0.3215, 0.3014



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.



21.0966, 0.3448, 0.2470



32.4815, 0.3546, 0.2307



19.9342, 0.4019, 0.3019



8.6066, 0.3178, 0.3126



7.9303, 0.4026, 0.1991



0.2587, 0.3752, 0.1840

Inverse Universe

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



21.0966, 0.3448, 0.2470



32.4815, 0.3546, 0.2307



37.8575, 0.2649, 0.3593



8.6066, 0.3178, 0.3126



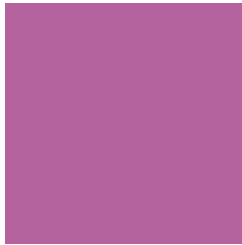
7.9303, 0.4026, 0.1991



0.2587, 0.3752, 0.1840

Previews

White Background



This preview shows how the Yxy color 21.0956, 0.3448, 0.2470 looks on a white background.

Color Contrast Check

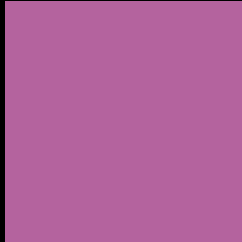
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.0956, 0.3448, 0.2470 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

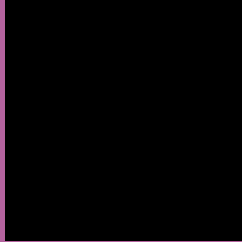
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.0956, 0.3448, 0.2470

Background



This preview shows how black text looks on a background with the Yxy color 21.0956, 0.3448, 0.2470.



This preview shows how white text looks on a background with the Yxy color 21.0956, 0.3448, 0.2470.

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

21.0956, 0.3448, 0.2470

Protanopia

21.2211, 0.2492, 0.2423

Deuteranopia

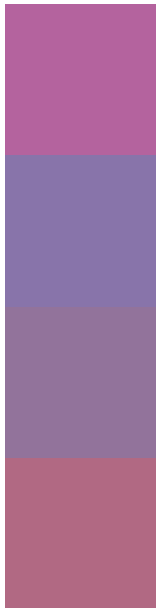
21.1840, 0.2835, 0.2775



Tritanopia

21.1000, 0.3938, 0.3172

Trichromacy



Original Color

21.0956, 0.3448, 0.2470

Protanomaly

20.6273, 0.2781, 0.2425

Deuteranomaly

20.7390, 0.3049, 0.2645

Tritanomaly

21.0890, 0.3764, 0.2910

Monochromacy



Original Color

21.0956, 0.3448, 0.2470

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

21.3830, 0.3242, 0.2944

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.0956, 0.3448, 0.2470 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, 99, 158)` looks like.

```
.text, #text, p{  
    color:rgb(180, 99, 158)  
}
```

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, 99, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 99, 158) }
```

Border

The CSS property to change the border of an element to Yxy 21.0956, 0.3448, 0.2470 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, 99, 158) }
```

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

```
.border{ border-color:rgb(180, 99, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 99, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 99, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 99, 158);  
box-shadow:4px 4px 4px 4px rgb(180, 99,  
158) }
```


Background

The CSS property to change the background color of an element to Yxy 21.0956, 0.3448, 0.2470 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 99, 158) }
```

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

```
.background{ background-color: rgb(180, 99,  
158) }
```

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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