

Converting Colors

$Y_{xy}(21.7542, 0.3592, 0.2480)$

Have a look what the booklet for
Yxy(21.7542, 0.3592, 0.2480)
contains.

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Color

Yxy(21.7472, 0.3593, 0.2480)

Conversions

Conversions Part 1

Format	Color
Hex	BE609D
RGB	190, 96, 157
RGB Percent	75%, 38%, 62%
CMY	0.2548, 0.6236, 0.3843
CMYK	0.00, 0.49, 0.17, 0.25
HSL	321°, 42%, 56%
HSV	321°, 49%, 75%
XYZ	31.5071, 21.7472, 34.4360
YIQ	131.0600, 36.4430, 38.8990

Conversions

Conversions Part 2

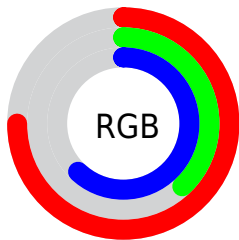
Format	Color
R _Y B	190, 96, 157
Decimal	12476573
CIE _{Lab}	53.76, 45.36, -15.99
CIE _{LCh}	54, 48.097, 340.580
Yxy	21.7472, 0.3593, 0.2480
Android (android.graphics.Color)	4290666653 (0xFFBE609D)
YUV	131.0600, 12.7884, 51.6904
Hunter-Lab	46.6339, 38.9902, -11.1379

Details

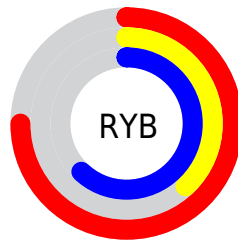
The Yxy color **21.7472, 0.3593, 0.2480** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **40.9061, 0.2853, 0.4290**, and the grayscale version is **22.6633, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.2048, 0.3495, 0.2632**, and **7.9103, 0.3735, 0.2216** is the 20% darker color. If you saturate the color by 10%, you get **18.4686, 0.3729, 0.2341**, and if you desaturate by 10%, it is **25.8782, 0.3470, 0.2638**.

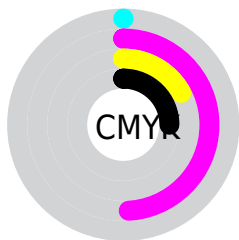
Distribution



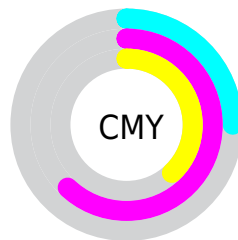
- Red (75%)
- Green (38%)
- Blue (62%)



- Red (75%)
- Yellow (38%)
- Blue (62%)



- Cyan (0%)
- Magenta (49%)
- Yellow (17%)
- Black (25%)



- Cyan (25%)
- Magenta (62%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.7472, 0.3593, 0.2480 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 21.7472, 0.3593, 0.2480 by changing the saturation by 10% instead.


 21.7472, 0.3593,
0.2480


 21.7472, 0.3593,
0.2480


261.2232, 0.3345,
0.2906

 13.6713, 0.3660,
0.2367


 46.3278, 0.3499,
0.2640


 7.8924, 0.3749,
0.2218


 63.6013, 0.3465,
0.2698

 4.0262, 0.3872,
0.2014


 84.7094, 0.3437,
0.2747

 1.6882, 0.4054,
0.1720

 110.0365, 0.3413,
0.2789

 0.4160, 0.4433,
0.1091

139.9671, 0.3392,
0.2825

 0.0000, 0.5520,
0.0000

174.8855, 0.3374,

 0.0000, 0.0000,

0.2855

0.0000

215.1760, 0.3359,
0.2883

■ 21.7472, 0.3593,
0.2480

■ 21.7472, 0.3593,
0.2480

■ 18.4686, 0.3729,
0.2341

■ 25.8782, 0.3470,
0.2638

■ 15.9776, 0.3877,
0.2231

■ 30.9140, 0.3363,
0.2806

■ 14.2054, 0.4031,
0.2162


■ 36.9063, 0.3270,
0.2975

■ 13.0694, 0.4186,
0.2142

■ 43.9021, 0.3191,
0.3140

■ 12.4169, 0.4338,
0.2166


■ 51.9453, 0.3124,
0.3298

 12.3869, 0.4346,
0.2168

 61.0771, 0.3068,
0.3447

 71.3365, 0.3021,
0.3585

 82.7606, 0.2982,
0.3712

 87.4819, 0.2947,
0.3708

Harmonies

Analogous

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



21.7472, 0.2726, 0.2131



21.7472, 0.3593, 0.2480



21.7472, 0.4411, 0.2995

Triad

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



21.7472, 0.3593, 0.2480



21.7472, 0.4114, 0.4734



21.7472, 0.1686, 0.2616

Complementary

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



21.7472, 0.3593, 0.2480



40.9061, 0.2853, 0.4290

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.



21.7472, 0.1951, 0.3430



21.7472, 0.3593, 0.2480



21.7472, 0.3333, 0.4875

Square

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



21.7472, 0.3593, 0.2480



21.7472, 0.4678, 0.4213



21.7472, 0.2539, 0.4364



21.7472, 0.1735, 0.2150

Rectangle

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



21.7472, 0.3593, 0.2480



21.7472, 0.4745, 0.3390



21.7472, 0.2539, 0.4364



21.7472, 0.1738, 0.2851

Sweetspot

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



21.7482, 0.3593, 0.2480



72.0124, 0.3235, 0.3046



16.7423, 0.2501, 0.1860



15.2350, 0.3252, 0.3010



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



21.7482, 0.3593, 0.2480



33.2161, 0.3736, 0.2335



20.4417, 0.4284, 0.3101



9.6378, 0.3190, 0.3142



8.2502, 0.4327, 0.2157



0.3351, 0.3995, 0.1975

Inverse Universe

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



21.7482, 0.3593, 0.2480



33.2161, 0.3736, 0.2335



42.4521, 0.2565, 0.3505



9.6378, 0.3190, 0.3142



8.2502, 0.4327, 0.2157



0.3351, 0.3995, 0.1975

Previews

White Background



This preview shows how the Yxy color 21.7472, 0.3593, 0.2480 looks on a white background.

Color Contrast Check

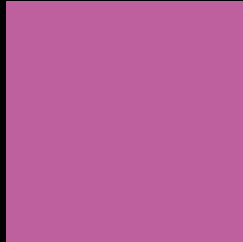
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.7472, 0.3593, 0.2480 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

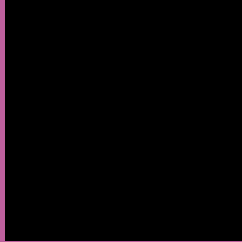
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.7472, 0.3593, 0.2480

Background



This preview shows how black text looks on a background with the Yxy color 21.7472, 0.3593, 0.2480.



This preview shows how white text looks on a background with the Yxy color 21.7472, 0.3593, 0.2480.

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

21.7472, 0.3593, 0.2480

Protanopia

21.9847, 0.2492, 0.2420

Deuteranopia

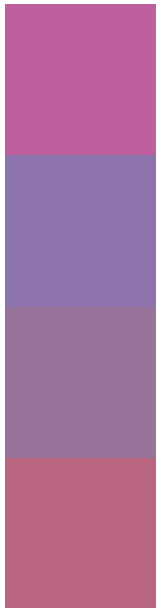
21.9345, 0.2899, 0.2847



Tritanopia

21.6097, 0.4126, 0.3180

Trichromacy



Original Color

21.7472, 0.3593, 0.2480

Protanomaly

21.1321, 0.2816, 0.2412

Deuteranomaly

21.2700, 0.3132, 0.2674

Tritanomaly

21.6525, 0.3933, 0.2915

Monochromacy



Original Color

21.7472, 0.3593, 0.2480

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

21.5257, 0.3293, 0.2933

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.7472, 0.3593, 0.2480 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(190, 96, 157)` looks like.

```
.text, #text, p{  
    color:rgb(190, 96, 157)  
}
```

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(190, 96, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 96, 157) }
```

Border

The CSS property to change the border of an element to Yxy 21.7472, 0.3593, 0.2480 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(190, 96, 157) }
```

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

```
.border{ border-color:rgb(190, 96, 157) }
```

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

Here you see how a box with a 4 pixel rgb(190, 96, 157) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 96, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 96, 157);  
box-shadow:4px 4px 4px 4px rgb(190, 96,  
157) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 21.7472, 0.3593, 0.2480$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 96, 157) }
```

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

```
.background{ background-color: rgb(190, 96,  
157) }
```

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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