

Converting Colors

$Y_{xy}(21.8571, 0.3671, 0.2453)$

Have a look what the booklet for
Yxy(21.8571, 0.3671, 0.2453)
contains.

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Color

Yxy(21.8244, 0.3676, 0.2455)

Conversions

Conversions Part 1

Format	Color
Hex	C45C9D
RGB	196, 92, 157
RGB Percent	77%, 36%, 62%
CMY	0.2314, 0.6392, 0.3843
CMYK	0.00, 0.53, 0.20, 0.23
HSL	322°, 47%, 56%
HSV	322°, 53%, 77%
XYZ	32.6788, 21.8244, 34.3945
YIQ	130.5060, 41.1190, 42.2630

Conversions

Conversions Part 2

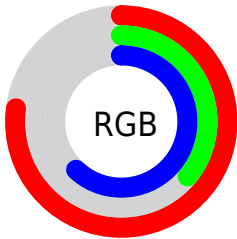
Format	Color
R_{YB}	196, 92, 157
Decimal	12868765
CIE _{Lab}	53.84, 49.24, -15.80
CIE _{LCh}	54, 51.714, 342.216
Yxy	21.8244, 0.3676, 0.2455
Android (android.graphics.Color)	4291058845 (0xFFC45C9D)
YUV	130.5060, 13.0615, 57.4382
Hunter-Lab	46.7166, 43.1089, -10.9500

Details

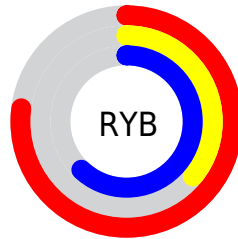
The Yxy color **21.8244, 0.3676, 0.2455** is a dark color, and the websafe version is hex **CC6699**. The color can be described as middle muted rose. A complement of this color would be **43.3939, 0.2825, 0.4339**, and the grayscale version is **22.4545, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.5712, 0.3564, 0.2618**, and **8.0023, 0.3861, 0.2189** is the 20% darker color. If you saturate the color by 10%, you get **18.6141, 0.3828, 0.2330**, and if you desaturate by 10%, it is **25.9302, 0.3538, 0.2603**.

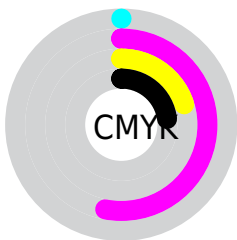
Distribution



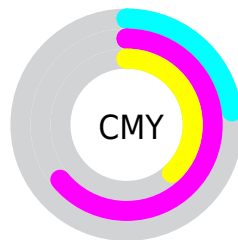
- Red (77%)
- Green (36%)
- Blue (62%)



- Red (77%)
- Yellow (36%)
- Blue (62%)



- Cyan (0%)
- Magenta (53%)
- Yellow (20%)
- Black (23%)





- Cyan (23%)
- Magenta (64%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.8244, 0.3676, 0.2455 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 21.8244, 0.3676, 0.2455 by changing the saturation by 10% instead.


 21.8244, 0.3676,
0.2455


 21.8244, 0.3676,
0.2455


261.6279, 0.3383,
0.2893

 13.7279, 0.3755,
0.2339


 46.4556, 0.3565,
0.2619


 7.9317, 0.3861,
0.2187

 63.7591, 0.3525,
0.2679

 4.0513, 0.4009,
0.1980


 84.9004, 0.3491,
0.2730

 1.7023, 0.4228,
0.1682

 110.2639, 0.3463,
0.2772

 0.4251, 0.4667,
0.1066

140.2341, 0.3438,
0.2809

 0.0000, 0.6049,
0.0000

175.1951, 0.3417,

 0.0000, 0.0000,

0.2841

0.0000

215.5316, 0.3399,
0.2869

■ 21.8244, 0.3676,
0.2455

■ 21.8244, 0.3676,
0.2455

■ 18.6141, 0.3828,
0.2330

■ 25.9302, 0.3538,
0.2603

■ 16.2267, 0.3992,
0.2239

■ 30.9905, 0.3417,
0.2763

■ 14.5833, 0.4161,
0.2192

■ 37.0627, 0.3312,
0.2927

■ 13.5879, 0.4329,
0.2196

■ 44.1991, 0.3223,
0.3089

■ 13.1540, 0.4444,
0.2222

■ 52.4481, 0.3148,
0.3244

■ 61.8552, 0.3085,
0.3391

■ 72.4632, 0.3032,
0.3528

■ 84.3130, 0.2988,
0.3654

■ 88.5912, 0.2949,
0.3636

Harmonies

Analogous

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



21.8244, 0.2741, 0.2078



21.8244, 0.3676, 0.2455



21.8244, 0.4544, 0.3001

Triad

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



21.8244, 0.3676, 0.2455



21.8244, 0.4122, 0.4847



21.8244, 0.1595, 0.2524

Complementary

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



21.8244, 0.3676, 0.2455



43.3939, 0.2825, 0.4339

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.



21.8244, 0.1849, 0.3377



21.8244, 0.3676, 0.2455



21.8244, 0.3284, 0.4992

Square

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



21.8244, 0.3676, 0.2455



21.8244, 0.4750, 0.4287



21.8244, 0.2450, 0.4405



21.8244, 0.1666, 0.2060

Rectangle

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



21.8244, 0.3676, 0.2455



21.8244, 0.4879, 0.3416



21.8244, 0.2450, 0.4405



21.8244, 0.1642, 0.2767

Sweetspot

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



21.8255, 0.3676, 0.2455



75.7282, 0.3250, 0.3038



16.3969, 0.2459, 0.1752



15.6238, 0.3268, 0.3004



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



21.8255, 0.3676, 0.2455



32.7666, 0.3859, 0.2309



20.4285, 0.4448, 0.3113



10.1814, 0.3194, 0.3147



8.4691, 0.4422, 0.2210



0.3789, 0.4084, 0.2024

Inverse Universe

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



21.8255, 0.3676, 0.2455



32.7666, 0.3859, 0.2309



45.1385, 0.2527, 0.3497



10.1814, 0.3194, 0.3147



8.4691, 0.4422, 0.2210



0.3789, 0.4084, 0.2024

Previews

White Background



This preview shows how the Yxy color 21.8244, 0.3676, 0.2455 looks on a white background.

Color Contrast Check

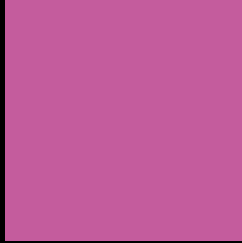
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.8244, 0.3676, 0.2455 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

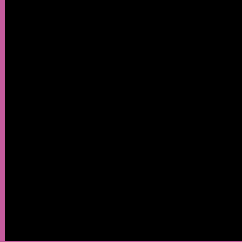
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.8244, 0.3676, 0.2455

Background



This preview shows how black text looks on a background with the Yxy color 21.8244, 0.3676, 0.2455.



This preview shows how white text looks on a background with the Yxy color 21.8244, 0.3676, 0.2455.

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

21.8244, 0.3676, 0.2455

Protanopia

22.0424, 0.2461, 0.2377

Deuteranopia

21.9814, 0.2920, 0.2865



Tritanopia

21.7049, 0.4262, 0.3184

Trichromacy



Original Color

21.8244, 0.3676, 0.2455

Protanomaly

20.9303, 0.2817, 0.2360

Deuteranomaly

21.3031, 0.3180, 0.2679

Tritanomaly

21.6051, 0.4055, 0.2902

Monochromacy



Original Color

21.8244, 0.3676, 0.2455

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

21.5846, 0.3332, 0.2922

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.8244, 0.3676, 0.2455 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(196, 92, 157)` looks like.

```
.text, #text, p{  
    color:rgb(196, 92, 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(196, 92, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 92, 157) }
```

Border

The CSS property to change the border of an element to Yxy 21.8244, 0.3676, 0.2455 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(196, 92, 157) }
```

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

```
.border{ border-color:rgb(196, 92, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 92, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 92, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 92, 157);  
box-shadow:4px 4px 4px 4px rgb(196, 92,  
157) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 21.8244, 0.3676, 0.2455$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 92, 157) }
```

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

```
.background{ background-color: rgb(196, 92,  
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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