

Converting Colors

$Y_{xy}(17.9690, 0.3742, 0.2173)$

Have a look what the booklet for
Yxy(17.9690, 0.3742, 0.2173)
contains.

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Color

Yxy(17.9714, 0.3744, 0.2174)

Conversions

Conversions Part 1

Format	Color
Hex	C5409D
RGB	197, 64, 157
RGB Percent	77%, 25%, 62%
CMY	0.2274, 0.7491, 0.3842
CMYK	0.00, 0.68, 0.20, 0.23
HSL	318°, 53%, 51%
HSV	318°, 68%, 77%
XYZ	30.9498, 17.9714, 33.7439
YIQ	114.3690, 49.4150, 57.1190

Conversions

Conversions Part 2

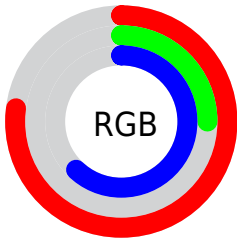
Format	Color
R_{YB}	197, 64, 157
Decimal	12927133
CIE _{Lab}	49.46, 61.83, -22.48
CIE _{LCh}	49, 65.787, 340.019
Yxy	17.9714, 0.3744, 0.2174
Android (android.graphics.Color)	4291117213 (0xFFC5409D)
YUV	114.3690, 21.0171, 72.4674
Hunter-Lab	42.3927, 56.1311, -17.5190

Details

The Yxy color **17.9714, 0.3744, 0.2174** is a dark color, and the websafe version is hex **CC3399**. The color can be described as middle muted rose. A complement of this color would be **42.0292, 0.2841, 0.4858**, and the grayscale version is **16.8667, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.6882, 0.3603, 0.2385**, and **6.5089, 0.3924, 0.1935** is the 20% darker color. If you saturate the color by 10%, you get **15.9324, 0.3871, 0.2088**, and if you desaturate by 10%, it is **20.8065, 0.3622, 0.2299**.

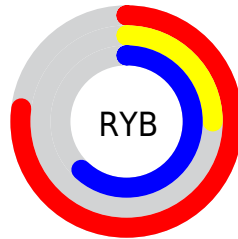
Distribution



Red (77%)

Green (25%)

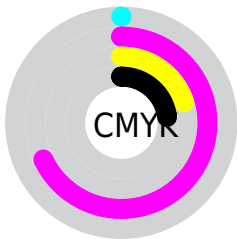
Blue (62%)



Red (77%)

Yellow (25%)

Blue (62%)

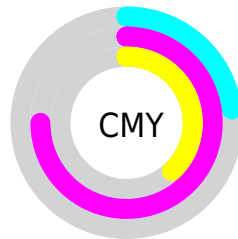


Cyan (0%)

Magenta (68%)

Yellow (20%)

Black (23%)



Cyan (23%)


Magenta (75%)


Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.9714, 0.3744, 0.2174 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 17.9714, 0.3744, 0.2174 by changing the saturation by 10% instead.


 17.9714, 0.3744,
0.2174


 17.9714, 0.3744,
0.2174


240.7098, 0.3417,
0.2759


 10.9295, 0.3831,
0.2022


 39.9886, 0.3621,
0.2392


 6.0194, 0.3946,
0.1824


 55.7326, 0.3576,
0.2472

 2.8569, 0.4102,
0.1558


 75.1461, 0.3538,
0.2539

 1.0575, 0.4325,
0.1191

 98.6135, 0.3507,
0.2596

 0.0000, 0.4996,
0.0000

 126.5192, 0.3479,
0.2646

 0.0000, 0.5706,
0.0000

159.2475, 0.3456,

 0.0000, 0.0000,

0.2688

0.0000

197.1829, 0.3435,
0.2726

■ 17.9714, 0.3744,
0.2174

■ 17.9714, 0.3744,
0.2174

■ 15.9324, 0.3871,
0.2088

■ 20.8065, 0.3622,
0.2299

■ 14.5997, 0.3998,
0.2049

■ 24.5094, 0.3509,
0.2453

■ 13.8499, 0.4122,
0.2057

■ 29.1469, 0.3407,
0.2624

■ 13.7014, 0.4154,
0.2062

■ 34.7784, 0.3317,
0.2804

■ 41.4585, 0.3238,
0.2985

■ 49.2377, 0.3171,
0.3162

■ 58.1633, 0.3114,
0.3331

■ 68.2796, 0.3066,
0.3489

■ 79.6289, 0.3026,
0.3637

Harmonies

Analogous

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



17.9714, 0.2518, 0.1742



17.9714, 0.3744, 0.2174



17.9714, 0.4968, 0.2811

Triad

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



17.9714, 0.3744, 0.2174



17.9714, 0.4364, 0.5199



17.9714, 0.1209, 0.2296

Complementary

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



17.9714, 0.3744, 0.2174



42.0292, 0.2841, 0.4858

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.



17.9714, 0.1504, 0.3461



17.9714, 0.3744, 0.2174



17.9714, 0.3301, 0.5654

Square

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



17.9714, 0.3744, 0.2174



17.9714, 0.5208, 0.4354



17.9714, 0.2250, 0.4971



17.9714, 0.1282, 0.1731

Rectangle

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



17.9714, 0.3744, 0.2174



17.9714, 0.5433, 0.3293



17.9714, 0.2250, 0.4971



17.9714, 0.1262, 0.2611

Sweetspot

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



17.9723, 0.3744, 0.2174



70.7172, 0.3259, 0.2935



10.6332, 0.2142, 0.1294



14.3966, 0.3281, 0.2884



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.



17.9723, 0.3744, 0.2174



27.2566, 0.3931, 0.2063



16.2856, 0.4900, 0.2985



10.7602, 0.3183, 0.3130



9.0256, 0.4138, 0.2053



0.4397, 0.3900, 0.1922

Inverse Universe

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



17.9723, 0.3744, 0.2174



27.2566, 0.3931, 0.2063



43.9480, 0.2479, 0.3709



10.7602, 0.3183, 0.3130



9.0256, 0.4138, 0.2053



0.4397, 0.3900, 0.1922

Previews

White Background



This preview shows how the Yxy color 17.9714, 0.3744, 0.2174 looks on a white background.

Color Contrast Check

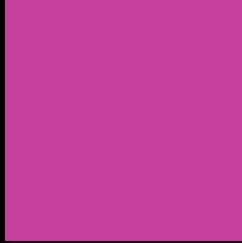
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 17.9714, 0.3744, 0.2174 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

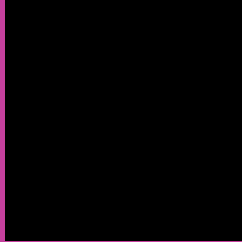
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.9714, 0.3744, 0.2174

Background



This preview shows how black text looks on a background with the Yxy color 17.9714, 0.3744, 0.2174.



This preview shows how white text looks on a background with the Yxy color 17.9714, 0.3744, 0.2174.

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

17.9714, 0.3744, 0.2174

Protanopia

18.4528, 0.2127, 0.1953

Deuteranopia

18.1714, 0.2733, 0.2687



Tritanopia

17.9841, 0.4720, 0.3217

Trichromacy



Original Color

17.9714, 0.3744, 0.2174



Protanomaly

16.3283, 0.2520, 0.1934



Deuteranomaly

16.7457, 0.3064, 0.2392



Tritanomaly

17.7212, 0.4368, 0.2803

Monochromacy



Original Color

17.9714, 0.3744, 0.2174



Achromatopsia

16.8269, 0.3127, 0.3290



Achromatomaly

15.9067, 0.3354, 0.2707

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.9714, 0.3744, 0.2174 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(197, 64, 157)` looks like.

```
.text, #text, p{  
    color:rgb(197, 64, 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(197, 64, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 64, 157) }
```

Border

The CSS property to change the border of an element to Yxy 17.9714, 0.3744, 0.2174 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(197, 64, 157) }
```

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

```
.border{ border-color:rgb(197, 64, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 64, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 64, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 64, 157);  
box-shadow:4px 4px 4px 4px rgb(197, 64,  
157) }
```


Background

The CSS property to change the background color of an element to Yxy 17.9714, 0.3744, 0.2174 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 64, 157) }
```

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

```
.background{ background-color: rgb(197, 64,  
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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