

Converting Colors

$Y_{xy}(16.7092, 0.3721, 0.2591)$

Have a look what the booklet for
Yxy(16.7092, 0.3721, 0.2591)
contains.

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Color

Yxy(16.7090, 0.3720, 0.2591)

Conversions

Conversions Part 1

Format	Color
Hex	AA5584
RGB	170, 85, 132
RGB Percent	67%, 33%, 52%
CMY	0.3334, 0.6666, 0.4824
CMYK	0.00, 0.50, 0.22, 0.33
HSL	327°, 33%, 50%
HSV	327°, 50%, 67%
XYZ	23.9898, 16.7090, 23.7898
YIQ	115.7730, 35.5730, 32.6370

Conversions

Conversions Part 2

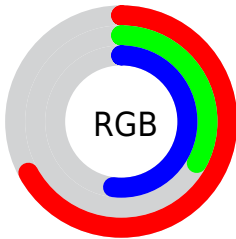
Format	Color
R_{YB}	170, 85, 132
Decimal	11163012
CIE _{Lab}	47.89, 40.59, -10.30
CIE _{LCh}	48, 41.878, 345.759
Yxy	16.7090, 0.3720, 0.2591
Android (android.graphics.Color)	4289353092 (0xFFAA5584)
YUV	115.7730, 7.9999, 47.5571
Hunter-Lab	40.8766, 33.2243, -5.8926

Details

The Yxy color **16.7090, 0.3720, 0.2591** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **32.1091, 0.2796, 0.4138**, and the grayscale version is **17.3598, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.7250, 0.3587, 0.2740**, and **5.4134, 0.3940, 0.2317** is the 20% darker color. If you saturate the color by 10%, you get **14.1462, 0.3899, 0.2473**, and if you desaturate by 10%, it is **19.9315, 0.3561, 0.2727**.

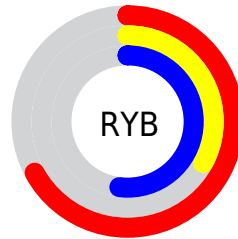
Distribution



Red (67%)

Green (33%)

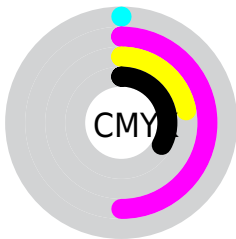
Blue (52%)



Red (67%)

Yellow (33%)

Blue (52%)

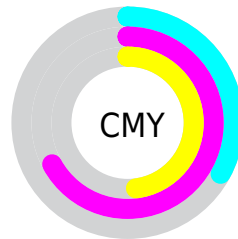


Cyan (0%)

Magenta (50%)

Yellow (22%)

Black (33%)



Cyan (33%)


Magenta (67%)


Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.7090, 0.3720, 0.2591 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 16.7090, 0.3720, 0.2591 by changing the saturation by 10% instead.


 16.7090, 0.3720,
0.2591


 16.7090, 0.3720,
0.2591


233.4898, 0.3384,
0.2979


 10.0272, 0.3820,
0.2479


 37.8248, 0.3587,
0.2743


 5.4170, 0.3961,
0.2326


 53.0276, 0.3540,
0.2796

 2.4940, 0.4171,
0.2103

 71.8395, 0.3502,
0.2840

 0.8736, 0.4517,
0.1753

 94.6449, 0.3471,
0.2877

 0.0000, 0.6226,
0.0000

 121.8283, 0.3444,
0.2909

 0.0000, 0.0000,
0.0000

153.7739, 0.3421,

0.2935

190.8663, 0.3401,
0.2959

■ 16.7090, 0.3720,
0.2591

■ 16.7090, 0.3720,
0.2591

■ 14.1462, 0.3899,
0.2473

■ 19.9315, 0.3561,
0.2727

■ 12.1936, 0.4096,
0.2383

■ 23.8539, 0.3424,
0.2870

■ 10.7985, 0.4304,
0.2333


■ 28.5157, 0.3308,
0.3015

■ 9.8980, 0.4516,
0.2333


■ 33.9531, 0.3209,
0.3156


■ 9.3537, 0.4724,
0.2376

■ 40.1996, 0.3127,
0.3290

 9.3534, 0.4724,
0.2376

 47.2869, 0.3059,
0.3416

 55.2449, 0.3002,
0.3532

 64.1022, 0.2955,
0.3640

 73.8858, 0.2916,
0.3739

Harmonies

Analogous

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



16.7090, 0.2879, 0.2221



16.7090, 0.3720, 0.2591



16.7090, 0.4451, 0.3108

Triad

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



16.7090, 0.3720, 0.2591



16.7090, 0.3960, 0.4728



16.7090, 0.1731, 0.2550

Complementary

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



16.7090, 0.3720, 0.2591



32.1091, 0.2796, 0.4138

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.



16.7090, 0.1936, 0.3275



16.7090, 0.3720, 0.2591



16.7090, 0.3195, 0.4752

Square

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



16.7090, 0.3720, 0.2591



16.7090, 0.4544, 0.4282



16.7090, 0.2454, 0.4166



16.7090, 0.1828, 0.2156

Rectangle

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



16.7090, 0.3720, 0.2591



16.7090, 0.4712, 0.3497



16.7090, 0.2454, 0.4166



16.7090, 0.1765, 0.2756

Sweetspot

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



16.7098, 0.3720, 0.2591



56.2211, 0.3259, 0.3082



13.5262, 0.2581, 0.1887



12.0956, 0.3280, 0.3053



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



16.7098, 0.3720, 0.2591



25.2282, 0.3920, 0.2461



15.7936, 0.4409, 0.3209



7.6091, 0.3203, 0.3166



6.8924, 0.4703, 0.2365



0.1778, 0.4090, 0.2027

Inverse Universe

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



16.7098, 0.3720, 0.2591



25.2282, 0.3920, 0.2461



33.3711, 0.2520, 0.3383



7.6091, 0.3203, 0.3166



6.8924, 0.4703, 0.2365



0.1778, 0.4090, 0.2027

Previews

White Background



This preview shows how the Yxy color 16.7090, 0.3720, 0.2591 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 16.7090, 0.3720, 0.2591 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

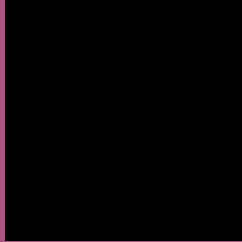
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 16.7090, 0.3720, 0.2591

Background



This preview shows how black text looks on a background with the Yxy color 16.7090, 0.3720, 0.2591.



This preview shows how white text looks on a background with the Yxy color 16.7090, 0.3720, 0.2591.

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

16.7090, 0.3720, 0.2591

Protanopia

16.9877, 0.2612, 0.2580

Deuteranopia

16.8493, 0.3026, 0.2966



Tritanopia

16.7706, 0.4180, 0.3184

Trichromacy



Original Color

16.7090, 0.3720, 0.2591

Protanomaly

16.3033, 0.2952, 0.2562

Deuteranomaly

16.4910, 0.3274, 0.2813

Tritanomaly

16.6173, 0.4015, 0.2953

Monochromacy



Original Color

16.7090, 0.3720, 0.2591

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

16.7425, 0.3335, 0.2983

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.7090, 0.3720, 0.2591 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(170, 85, 132)` looks like.

```
.text, #text, p{  
  color:rgb(170, 85, 132)  
}
```

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(170, 85, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 85, 132) }
```

Border

The CSS property to change the border of an element to Yxy 16.7090, 0.3720, 0.2591 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(170, 85, 132) }
```

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

```
.border{ border-color:rgb(170, 85, 132) }
```

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

Here you see how a box with a 4 pixel rgb(170, 85, 132) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 85, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 85, 132);  
box-shadow:4px 4px 4px 4px rgb(170, 85,  
132) }
```


Background

The CSS property to change the background color of an element to Yxy 16.7090, 0.3720, 0.2591 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 85, 132) }
```

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

```
.background{ background-color: rgb(170, 85,  
132) }
```

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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