

Converting Colors

$Y_{xy}(17.2359, 0.4023, 0.2455)$

Have a look what the booklet for
Yxy(17.2359, 0.4023, 0.2455)
contains.

Yxy(17.2120, 0.4022, 0.2452)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(17.2120, 0.4022, 0.2452)

Conversions

Conversions Part 1

Format	Color
Hex	C04587
RGB	192, 69, 135
RGB Percent	75%, 27%, 53%
CMY	0.2472, 0.7292, 0.4706
CMYK	0.00, 0.64, 0.30, 0.25
HSL	328°, 49%, 51%
HSV	328°, 64%, 75%
XYZ	28.2327, 17.2120, 24.7510
YIQ	113.3010, 52.1220, 46.6020

Conversions

Conversions Part 2

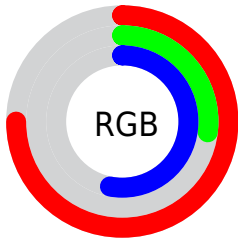
Format	Color
RYB	192, 69, 135
Decimal	12600711
CIELab	48.53, 55.48, -10.81
CIELCh	49, 56.525, 348.976
Yxy	17.2120, 0.4022, 0.2452
Android (android.graphics.Color)	4290790791 (0xFFC04587)
YUV	113.3010, 10.6976, 69.0190
Hunter-Lab	41.4873, 48.8689, -6.3308

Details

The Yxy color **17.2120, 0.4022, 0.2452** 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 **40.4590, 0.2732, 0.4409**, and the grayscale version is **16.5679, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.5554, 0.3822, 0.2628**, and **5.8068, 0.4383, 0.2188** is the 20% darker color. If you saturate the color by 10%, you get **14.9791, 0.4237, 0.2383**, and if you desaturate by 10%, it is **20.2315, 0.3824, 0.2556**.

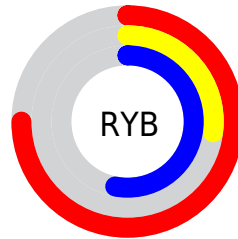
Distribution



Red (75%)

Green (27%)

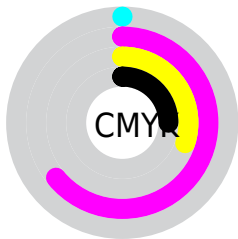
Blue (53%)



Red (75%)

Yellow (27%)

Blue (53%)

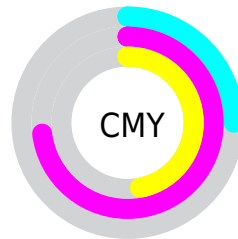


Cyan (0%)

Magenta (64%)

Yellow (30%)

Black (25%)



Cyan (25%)


Magenta (73%)


Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.2120, 0.4022, 0.2452 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 17.2120, 0.4022, 0.2452 by changing the saturation by 10% instead.


 17.2120, 0.4022,
0.2452


 17.2120, 0.4022,
0.2452


236.3911, 0.3518,
0.2911


 10.3858, 0.4170,
0.2323


 38.6899, 0.3823,
0.2629


 5.6555, 0.4376,
0.2149


 54.1104, 0.3753,
0.2692


 2.6367, 0.4679,
0.1903

 73.1644, 0.3696,
0.2745

 0.9452, 0.5164,
0.1533

 96.2363, 0.3648,
0.2789

 0.0000, 0.6842,
0.0000

 123.7105, 0.3608,
0.2826

 0.0000, 1.0000,
0.0000

155.9715, 0.3574,

 0.0000, 0.0000,

0.2858

0.0000

193.4036, 0.3544,
0.2886

■ 17.2120, 0.4022,
0.2452

■ 17.2120, 0.4022,
0.2452

■ 14.9791, 0.4237,
0.2383

■ 20.2315, 0.3824,
0.2556

■ 13.4529, 0.4460,
0.2359

■ 24.1020, 0.3647,
0.2683

■ 12.5411, 0.4680,
0.2388

■ 28.8842, 0.3494,
0.2821

■ 12.1812, 0.4810,
0.2424

■ 34.6325, 0.3362,
0.2964

■ 41.3969, 0.3252,
0.3104

■ 49.2240, 0.3160,
0.3238

■ 58.1576, 0.3083,
0.3364

■ 68.2389, 0.3020,
0.3482

■ 79.5069, 0.2967,
0.3591

Harmonies

Analogous

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



17.2120, 0.2893, 0.1984



17.2120, 0.4022, 0.2452



17.2120, 0.4965, 0.3083

Triad

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



17.2120, 0.4022, 0.2452



17.2120, 0.4018, 0.5190



17.2120, 0.1374, 0.2222

Complementary

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



17.2120, 0.4022, 0.2452



40.4590, 0.2732, 0.4409

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.



17.2120, 0.1554, 0.3102



17.2120, 0.4022, 0.2452



17.2120, 0.3037, 0.5265

Square

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



17.2120, 0.4022, 0.2452



17.2120, 0.4838, 0.4540



17.2120, 0.2130, 0.4369



17.2120, 0.1532, 0.1815

Rectangle

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



17.2120, 0.4022, 0.2452



17.2120, 0.5236, 0.3547



17.2120, 0.2130, 0.4369



17.2120, 0.1394, 0.2457

Sweetspot

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



17.2129, 0.4022, 0.2452



68.3388, 0.3308, 0.3030



12.3780, 0.2394, 0.1481



13.9222, 0.3341, 0.2990



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.



17.2129, 0.4022, 0.2452



25.8419, 0.4330, 0.2366



15.9746, 0.5072, 0.3223



10.1662, 0.3207, 0.3167



8.2156, 0.4785, 0.2409



0.3688, 0.4341, 0.2165

Inverse Universe

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



17.2129, 0.4022, 0.2452



25.8419, 0.4330, 0.2366



42.4896, 0.2400, 0.3383



10.1662, 0.3207, 0.3167



8.2156, 0.4785, 0.2409



0.3688, 0.4341, 0.2165

Previews

White Background



This preview shows how the Yxy color 17.2120, 0.4022, 0.2452 looks on a white background.

Color Contrast Check

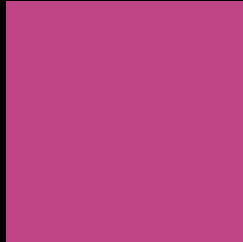
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.2120, 0.4022, 0.2452 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

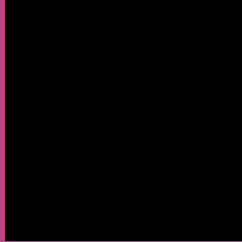
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 17.2120, 0.4022, 0.2452

Background



This preview shows how black text looks on a background with the Yxy color 17.2120, 0.4022, 0.2452.



This preview shows how white text looks on a background with the Yxy color 17.2120, 0.4022, 0.2452.

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

17.2120, 0.4022, 0.2452

Protanopia

17.4773, 0.2432, 0.2343

Deuteranopia

17.4602, 0.3039, 0.2989



Tritanopia

17.2481, 0.4749, 0.3230

Trichromacy



Original Color

17.2120, 0.4022, 0.2452



Protanomaly

16.0885, 0.2888, 0.2328



Deuteranomaly

16.3911, 0.3381, 0.2716



Tritanomaly

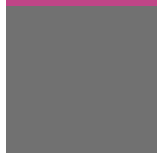
17.1260, 0.4484, 0.2938

Monochromacy



Original Color

17.2120, 0.4022, 0.2452



Achromatopsia

16.5132, 0.3127, 0.3290



Achromatomaly

15.6806, 0.3453, 0.2868

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.2120, 0.4022, 0.2452 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(192, 69, 135)` looks like.

```
.text, #text, p{  
    color:rgb(192, 69, 135)  
}
```

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(192, 69, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 69, 135) }
```

Border

The CSS property to change the border of an element to Yxy 17.2120, 0.4022, 0.2452 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(192, 69, 135) }
```

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

```
.border{ border-color:rgb(192, 69, 135) }
```

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

Here you see how a box with a 4 pixel rgb(192, 69, 135) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 69, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 69, 135);  
box-shadow:4px 4px 4px 4px rgb(192, 69,  
135) }
```


Background

The CSS property to change the background color of an element to Yxy 17.2120, 0.4022, 0.2452 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 69, 135) }
```

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

```
.background{ background-color: rgb(192, 69,  
135) }
```

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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