

Converting Colors

$Y_{xy}(17.7497, 0.4870, 0.3017)$

Have a look what the booklet for
Yxy(17.7497, 0.4870, 0.3017)
contains.

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Color

Yxy(17.7450, 0.4857, 0.3017)

Conversions

Conversions Part 1

Format	Color
Hex	CA465E
RGB	202, 70, 94
RGB Percent	79%, 27%, 37%
CMY	0.2078, 0.7255, 0.6314
CMYK	0.00, 0.65, 0.53, 0.21
HSL	349°, 55%, 53%
HSV	349°, 65%, 79%
XYZ	28.5673, 17.7450, 12.5044
YIQ	112.2040, 70.9680, 35.4480

Conversions

Conversions Part 2

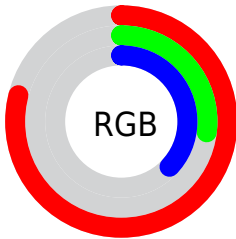
Format	Color
RYB	202, 70, 94
Decimal	13256286
CIELab	49.19, 53.95, 15.17
CIELCh	49, 56.046, 15.708
Yxy	17.7450, 0.4857, 0.3017
Android (android.graphics.Color)	4291446366 (0xFFCA465E)
YUV	112.2040, -8.9746, 78.7511
Hunter-Lab	42.1248, 47.3328, 11.8876

Details

The Yxy color **17.7450, 0.4857, 0.3017** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark muted red. A complement of this color would be **46.7597, 0.2477, 0.3655**, and the grayscale version is **16.2782, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.9408, 0.4379, 0.3099**, and **5.9642, 0.5570, 0.2842** is the 20% darker color. If you saturate the color by 10%, you get **15.3638, 0.5278, 0.3021**, and if you desaturate by 10%, it is **21.0414, 0.4458, 0.3039**.

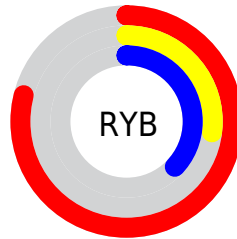
Distribution



Red (79%)

Green (27%)

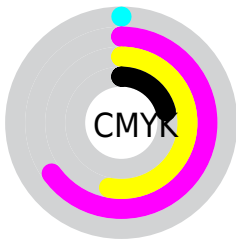
Blue (37%)



Red (79%)

Yellow (27%)

Blue (37%)

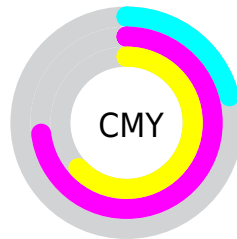


Cyan (0%)

Magenta (65%)

Yellow (53%)

Black (21%)



Cyan (21%)

Magenta (73%)

Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.7450, 0.4857, 0.3017 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 17.7450, 0.4857, 0.3017 by changing the saturation by 10% instead.


 17.7450, 0.4857,
0.3017


 17.7450, 0.4857,
0.3017


239.4298, 0.3853,
0.3212


 10.7671, 0.5159,
0.2940


 39.6023, 0.4455,
0.3107


 5.9104, 0.5579,
0.2819


 55.2505, 0.4315,
0.3134

 2.7907, 0.6188,
0.2613

 74.5576, 0.4202,
0.3155

 1.0235, 0.7531,
0.2362

 97.9079, 0.4108,
0.3172

 0.0000, 1.0000,
0.0000

 125.6859, 0.4029,
0.3185

 0.0000, 0.0000,
0.0000

158.2759, 0.3961,

0.3195

196.0624, 0.3903,
0.3204

■ 17.7450, 0.4857,
0.3017

■ 17.7450, 0.4857,
0.3017

■ 15.3638, 0.5278,
0.3021

■ 21.0414, 0.4458,
0.3039

■ 13.8016, 0.5679,
0.3056

■ 25.3306, 0.4106,
0.3076

■ 12.9458, 0.6009,
0.3121

■ 30.6853, 0.3808,
0.3122

■ 12.6884, 0.6134,
0.3153

■ 37.1705, 0.3562,
0.3172

■ 44.8461, 0.3362,
0.3220

■ 53.7678, 0.3200,
0.3267

■ 63.9875, 0.3070,
0.3310

■ 75.5545, 0.2964,
0.3349

■ 88.5152, 0.2878,
0.3385

Harmonies

Analogous

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



17.7450, 0.3885, 0.2405



17.7450, 0.4857, 0.3017



17.7450, 0.5215, 0.3710

Triad

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



17.7450, 0.4857, 0.3017



17.7450, 0.3151, 0.5263



17.7450, 0.1521, 0.1862

Complementary

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



17.7450, 0.4857, 0.3017



46.7597, 0.2477, 0.3655

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.



17.7450, 0.1401, 0.2311



17.7450, 0.4857, 0.3017



17.7450, 0.2234, 0.4478

Square

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



17.7450, 0.4857, 0.3017



17.7450, 0.4110, 0.5108



17.7450, 0.1621, 0.3233



17.7450, 0.1972, 0.1772

Rectangle

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



17.7450, 0.4857, 0.3017



17.7450, 0.5058, 0.4200



17.7450, 0.1621, 0.3233



17.7450, 0.1446, 0.1966

Sweetspot

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



17.7460, 0.4857, 0.3017



69.2632, 0.3455, 0.3196



18.0874, 0.2913, 0.1691



14.0498, 0.3514, 0.3182



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.



17.7460, 0.4857, 0.3017



24.8747, 0.5432, 0.3030



24.5448, 0.4830, 0.3796



11.2464, 0.3262, 0.3248



8.1743, 0.6105, 0.3137



0.4321, 0.5581, 0.2848

Inverse Universe

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



17.7460, 0.4857, 0.3017



24.8747, 0.5432, 0.3030



30.7791, 0.2204, 0.2630



11.2464, 0.3262, 0.3248



8.1743, 0.6105, 0.3137



0.4321, 0.5581, 0.2848

Previews

White Background



This preview shows how the Yxy color 17.7450, 0.4857, 0.3017 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 17.7450, 0.4857, 0.3017 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

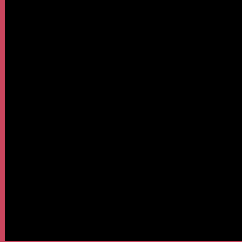
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.7450, 0.4857, 0.3017

Background



This preview shows how black text looks on a background with the Yxy color 17.7450, 0.4857, 0.3017.



This preview shows how white text looks on a background with the Yxy color 17.7450, 0.4857, 0.3017.

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

17.7450, 0.4857, 0.3017

Protanopia

18.0000, 0.3165, 0.3290

Deuteranopia

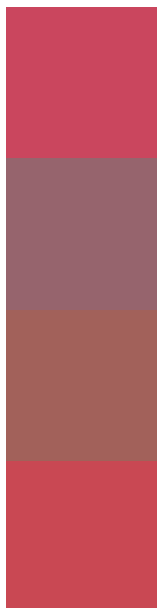
18.0038, 0.3811, 0.3746



Tritanopia

17.7184, 0.5102, 0.3251

Trichromacy



Original Color

17.7450, 0.4857, 0.3017

Protanomaly

16.7025, 0.3737, 0.3137

Deuteranomaly

16.9690, 0.4218, 0.3405

Tritanomaly

17.6768, 0.5015, 0.3170

Monochromacy



Original Color

17.7450, 0.4857, 0.3017

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

15.5891, 0.3739, 0.3150

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.7450, 0.4857, 0.3017 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(202, 70, 94)` looks like.

```
.text, #text, p{  
    color:rgb(202, 70, 94)  
}
```

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(202, 70, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 70, 94) }
```

Border

The CSS property to change the border of an element to Yxy 17.7450, 0.4857, 0.3017 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(202, 70, 94) }
```

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

```
.border{ border-color:rgb(202, 70, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 70, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 70, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 70, 94);  
box-shadow:4px 4px 4px 4px rgb(202, 70,  
94) }
```


Background

The CSS property to change the background color of an element to Yxy 17.7450, 0.4857, 0.3017 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 70, 94) }
```

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

```
.background{ background-color: rgb(202, 70,  
94) }
```

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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