

Converting Colors

$Y_{xy}(17.2005, 0.4501, 0.2548)$

Have a look what the booklet for
Yxy(17.2005, 0.4501, 0.2548)
contains.

Yxy(17.2842, 0.4512, 0.2557)	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(17.2842, 0.4512, 0.2557)

Conversions

Conversions Part 1

Format	Color
Hex	CF3679
RGB	207, 54, 121
RGB Percent	81%, 21%, 47%
CMY	0.1883, 0.7881, 0.5256
CMYK	0.00, 0.74, 0.42, 0.19
HSL	334°, 61%, 51%
HSV	334°, 74%, 81%
XYZ	30.4991, 17.2842, 19.8123
YIQ	107.3850, 69.6810, 53.2730

Conversions

Conversions Part 2

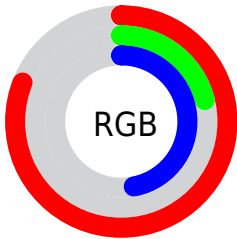
Format	Color
R_{YB}	207, 54, 121
Decimal	13579897
CIE _{Lab}	48.62, 63.79, -1.93
CIE _{LCh}	49, 63.821, 358.271
Yxy	17.2842, 0.4512, 0.2557
Android (android.graphics.Color)	4291769977 (0xFFCF3679)
YUV	107.3850, 6.7122, 87.3624
Hunter-Lab	41.5743, 58.1937, 0.8473

Details

The Yxy color **17.2842, 0.4512, 0.2557** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark muted rose. A complement of this color would be **47.2996, 0.2638, 0.4367**, and the grayscale version is **14.7857, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.0874, 0.4069, 0.2685**, and **6.6841, 0.4936, 0.2493** is the 20% darker color. If you saturate the color by 10%, you get **15.4816, 0.4798, 0.2556**, and if you desaturate by 10%, it is **19.9426, 0.4236, 0.2604**.

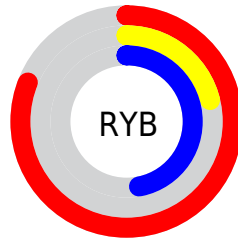
Distribution



Red (81%)

Green (21%)

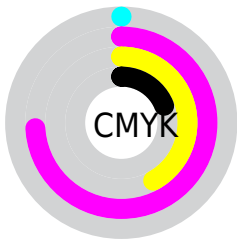
Blue (47%)



Red (81%)

Yellow (21%)

Blue (47%)

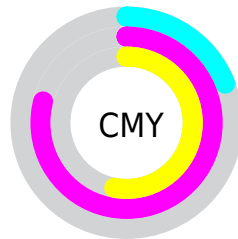


Cyan (0%)

Magenta (74%)

Yellow (42%)

Black (19%)



Cyan (19%)


Magenta (79%)


Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.2842, 0.4512, 0.2557 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 17.2842, 0.4512, 0.2557 by changing the saturation by 10% instead.


 17.2842, 0.4512,
0.2557


 17.2842, 0.4512,
0.2557

236.8049, 0.3718,
0.2974


 10.4373, 0.4750,
0.2434


 38.8138, 0.4196,
0.2722


 5.6899, 0.5082,
0.2264

 54.2653, 0.4086,
0.2780

 2.6574, 0.5572,
0.2015

 73.3537, 0.3996,
0.2827

 0.9556, 0.6349,
0.1627

 96.4636, 0.3921,
0.2866

 0.0000, 1.0000,
0.0000

 123.9793, 0.3859,
0.2899

 0.0000, 0.0000,
0.0000

156.2851, 0.3805,

0.2928

193.7655, 0.3759,
0.2952

■ 17.2842, 0.4512,
0.2557

■ 17.2842, 0.4512,
0.2557

■ 15.4816, 0.4798,
0.2556

■ 19.9426, 0.4236,
0.2604

■ 14.4186, 0.5077,
0.2609

■ 23.5475, 0.3983,
0.2686

■ 14.0121, 0.5240,
0.2660

■ 28.1813, 0.3760,
0.2790

■ 33.9162, 0.3569,
0.2905

■ 40.8183, 0.3409,
0.3023

■ 48.9480, 0.3275,
0.3138

■ 58.3618, 0.3165,
0.3249

■ 69.1125, 0.3074,
0.3352

■ 81.2502, 0.2999,
0.3448

Harmonies

Analogous

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



17.2842, 0.3230, 0.1992



17.2842, 0.4512, 0.2557



17.2842, 0.5372, 0.3256

Triad

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



17.2842, 0.4512, 0.2557



17.2842, 0.3729, 0.5538



17.2842, 0.1237, 0.1913

Complementary

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



17.2842, 0.4512, 0.2557



47.2996, 0.2638, 0.4367

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.



17.2842, 0.1299, 0.2688



17.2842, 0.4512, 0.2557



17.2842, 0.2656, 0.5355

Square

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



17.2842, 0.4512, 0.2557



17.2842, 0.4721, 0.4865



17.2842, 0.1764, 0.4050



17.2842, 0.1510, 0.1622

Rectangle

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



17.2842, 0.4512, 0.2557



17.2842, 0.5472, 0.3760



17.2842, 0.1764, 0.4050



17.2842, 0.1219, 0.2107

Sweetspot

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



17.2852, 0.4512, 0.2557



67.4132, 0.3385, 0.3042



12.5626, 0.2408, 0.1310



13.7194, 0.3425, 0.3010



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.



17.2852, 0.4512, 0.2557



23.6353, 0.4973, 0.2582



16.9410, 0.5584, 0.3366



11.8930, 0.3223, 0.3189



8.8477, 0.5206, 0.2642



0.5105, 0.4749, 0.2390

Inverse Universe

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



17.2852, 0.4512, 0.2557



23.6353, 0.4973, 0.2582



46.2932, 0.2283, 0.3175



11.8930, 0.3223, 0.3189



8.8477, 0.5206, 0.2642



0.5105, 0.4749, 0.2390

Previews

White Background



This preview shows how the Yxy color 17.2842, 0.4512, 0.2557 looks on a white background.

Color Contrast Check

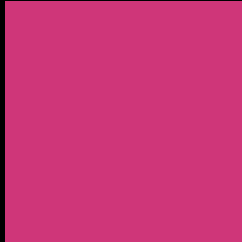
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.2842, 0.4512, 0.2557 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

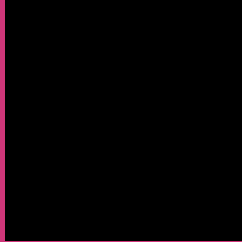
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 17.2842, 0.4512, 0.2557

Background



This preview shows how black text looks on a background with the Yxy color 17.2842, 0.4512, 0.2557.



This preview shows how white text looks on a background with the Yxy color 17.2842, 0.4512, 0.2557.

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

17.2842, 0.4512, 0.2557

Protanopia

17.6482, 0.2537, 0.2490

Deuteranopia

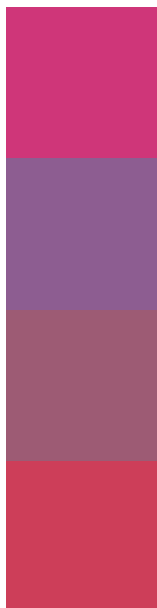
17.3698, 0.3330, 0.3272



Tritanopia

17.3066, 0.5274, 0.3255

Trichromacy



Original Color

17.2842, 0.4512, 0.2557

Protanomaly

15.5358, 0.3113, 0.2417

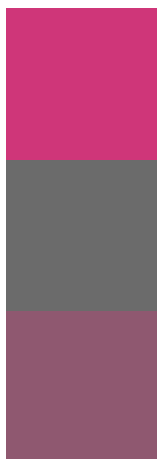
Deuteranomaly

15.9112, 0.3767, 0.2882

Tritanomaly

17.1457, 0.5027, 0.3003

Monochromacy



Original Color

17.2842, 0.4512, 0.2557

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

13.9889, 0.3634, 0.2865

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.2842, 0.4512, 0.2557 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(207, 54, 121)` looks like.

```
.text, #text, p{  
    color:rgb(207, 54, 121)  
}
```

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(207, 54, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 54, 121) }
```

Border

The CSS property to change the border of an element to Yxy 17.2842, 0.4512, 0.2557 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(207, 54, 121) }
```

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

```
.border{ border-color:rgb(207, 54, 121) }
```

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

Here you see how a box with a 4 pixel rgb(207, 54, 121) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 54, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 54, 121);  
box-shadow:4px 4px 4px 4px rgb(207, 54,  
121) }
```


Background

The CSS property to change the background color of an element to Yxy 17.2842, 0.4512, 0.2557 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 54, 121) }
```

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

```
.background{ background-color: rgb(207, 54,  
121) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor