

Converting Colors

$Y_{xy}(17.5041, 0.4626, 0.2749)$

Have a look what the booklet for
Yxy(17.5041, 0.4626, 0.2749)
contains.

Yxy(17.5182, 0.4638, 0.2755)	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(17.5182, 0.4638, 0.2755)

Conversions

Conversions Part 1

Format	Color
Hex	CC3F6E
RGB	204, 63, 110
RGB Percent	80%, 25%, 43%
CMY	0.2000, 0.7529, 0.5686
CMYK	0.00, 0.69, 0.46, 0.20
HSL	340°, 58%, 52%
HSV	340°, 69%, 80%
XYZ	29.4916, 17.5182, 16.5771
YIQ	110.5170, 68.9490, 44.5090

Conversions

Conversions Part 2

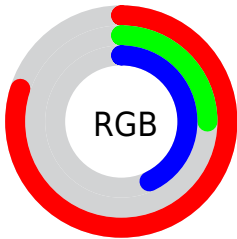
Format	Color
R_{YB}	204, 63, 110
Decimal	13385582
CIE _{Lab}	48.91, 58.73, 5.11
CIE _{LCh}	49, 58.952, 4.976
Yxy	17.5182, 0.4638, 0.2755
Android (android.graphics.Color)	4291575662 (0xFFCC3F6E)
YUV	110.5170, -0.2549, 81.9846
Hunter-Lab	41.8547, 52.5285, 5.8158

Details

The Yxy color **17.5182, 0.4638, 0.2755** 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 **46.6735, 0.2568, 0.4032**, and the grayscale version is **15.7378, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.2662, 0.4193, 0.2873**, and **6.2882, 0.5177, 0.2626** is the 20% darker color. If you saturate the color by 10%, you get **15.3883, 0.4985, 0.2751**, and if you desaturate by 10%, it is **20.5323, 0.4310, 0.2797**.

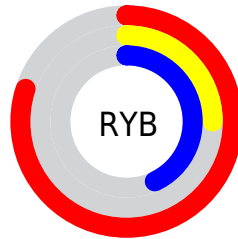
Distribution



Red (80%)

Green (25%)

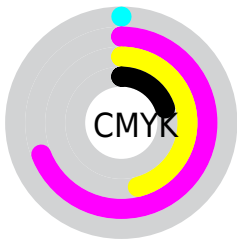
Blue (43%)



Red (80%)

Yellow (25%)

Blue (43%)

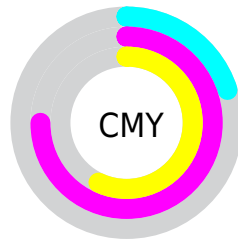


Cyan (0%)

Magenta (69%)

Yellow (46%)

Black (20%)



Cyan (20%)


Magenta (75%)


Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.5182, 0.4638, 0.2755 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 17.5182, 0.4638, 0.2755 by changing the saturation by 10% instead.


 17.5182, 0.4638,
0.2755

 17.5182, 0.4638,
0.2755


238.1412, 0.3764,
0.3076


 10.6046, 0.4902,
0.2653


 39.2146, 0.4288,
0.2887


 5.8017, 0.5273,
0.2505

 54.7663, 0.4167,
0.2931

 2.7249, 0.5821,
0.2279

 73.9661, 0.4068,
0.2967

 0.9898, 0.6713,
0.1907

 97.1984, 0.3986,
0.2997

 0.0000, 1.0000,
0.0000

 124.8477, 0.3918,
0.3021

 0.0000, 0.0000,
0.0000

157.2983, 0.3859,

0.3042

194.9347, 0.3808,
0.3060

■ 17.5182, 0.4638,
0.2755

■ 17.5182, 0.4638,
0.2755

■ 15.3883, 0.4985,
0.2751

■ 20.5323, 0.4310,
0.2797

■ 14.0397, 0.5325,
0.2795

■ 24.5124, 0.4017,
0.2866

■ 13.3076, 0.5632,
0.2883

■ 29.5343, 0.3765,
0.2949

■ 13.2530, 0.5658,
0.2891

■ 35.6653, 0.3553,
0.3039

■ 42.9671, 0.3378,
0.3129

■ 51.4968, 0.3235,
0.3215

■ 61.3077, 0.3118,
0.3297

■ 72.4500, 0.3022,
0.3373

■ 84.9711, 0.2944,
0.3442

Harmonies

Analogous

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



17.5182, 0.3493, 0.2176



17.5182, 0.4638, 0.2755



17.5182, 0.5280, 0.3445

Triad

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



17.5182, 0.4638, 0.2755



17.5182, 0.3500, 0.5417



17.5182, 0.1374, 0.1912

Complementary

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



17.5182, 0.4638, 0.2755



46.6735, 0.2568, 0.4032

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.



17.5182, 0.1366, 0.2537



17.5182, 0.4638, 0.2755



17.5182, 0.2499, 0.4964

Square

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



17.5182, 0.4638, 0.2755



17.5182, 0.4460, 0.4960



17.5182, 0.1727, 0.3685



17.5182, 0.1711, 0.1705

Rectangle

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



17.5182, 0.4638, 0.2755



17.5182, 0.5273, 0.3939



17.5182, 0.1727, 0.3685



17.5182, 0.1334, 0.2067

Sweetspot

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



17.5192, 0.4638, 0.2755



68.3734, 0.3413, 0.3109



15.0849, 0.2650, 0.1504



13.8937, 0.3461, 0.3084



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.



17.5192, 0.4638, 0.2755



24.2254, 0.5157, 0.2767



19.9336, 0.5197, 0.3552



11.2743, 0.3239, 0.3213



8.3580, 0.5621, 0.2870



0.4452, 0.5065, 0.2564

Inverse Universe

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



17.5192, 0.4638, 0.2755



24.2254, 0.5157, 0.2767



38.2597, 0.2249, 0.2930



11.2743, 0.3239, 0.3213



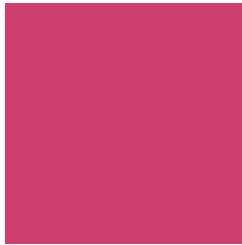
8.3580, 0.5621, 0.2870



0.4452, 0.5065, 0.2564

Previews

White Background



This preview shows how the Yxy color 17.5182, 0.4638, 0.2755 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 17.5182, 0.4638, 0.2755 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

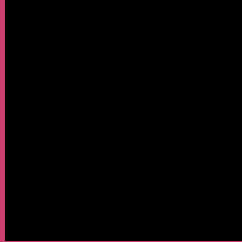
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.5182, 0.4638, 0.2755

Background



This preview shows how black text looks on a background with the Yxy color 17.5182, 0.4638, 0.2755.



This preview shows how white text looks on a background with the Yxy color 17.5182, 0.4638, 0.2755.

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

17.5182, 0.4638, 0.2755

Protanopia

17.8290, 0.2812, 0.2838

Deuteranopia

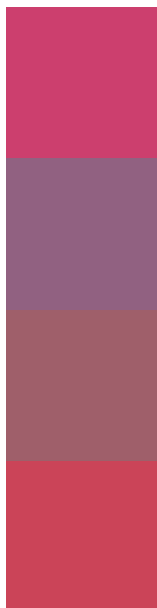
17.7761, 0.3527, 0.3478



Tritanopia

17.5710, 0.5160, 0.3252

Trichromacy



Original Color

17.5182, 0.4638, 0.2755

Protanomaly

16.1541, 0.3381, 0.2742

Deuteranomaly

16.5960, 0.3937, 0.3112

Tritanomaly

17.5353, 0.4983, 0.3070

Monochromacy



Original Color

17.5182, 0.4638, 0.2755

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

15.1728, 0.3658, 0.2992

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.5182, 0.4638, 0.2755 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(204, 63, 110)` looks like.

```
.text, #text, p{  
    color:rgb(204, 63, 110)  
}
```

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(204, 63, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 63, 110) }
```

Border

The CSS property to change the border of an element to Yxy 17.5182, 0.4638, 0.2755 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(204, 63, 110) }
```

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

```
.border{ border-color:rgb(204, 63, 110) }
```

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

Here you see how a box with a 4 pixel rgb(204, 63, 110) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 63, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 63, 110);  
box-shadow:4px 4px 4px 4px rgb(204, 63,  
110) }
```


Background

The CSS property to change the background color of an element to Yxy 17.5182, 0.4638, 0.2755 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 63, 110) }
```

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

```
.background{ background-color: rgb(204, 63,  
110) }
```

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