

Converting Colors

$Y_{xy}(20.1517, 0.4742, 0.2850)$

Have a look what the booklet for
Yxy(20.1517, 0.4742, 0.2850)
contains.

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Color

Yxy(20.1557, 0.4739, 0.2842)

Conversions

Conversions Part 1

Format	Color
Hex	D9456F
RGB	217, 69, 111
RGB Percent	85%, 27%, 44%
CMY	0.1491, 0.7293, 0.5647
CMYK	0.00, 0.68, 0.49, 0.15
HSL	343°, 66%, 56%
HSV	343°, 68%, 85%
XYZ	33.6094, 20.1557, 17.1557
YIQ	118.0400, 74.7260, 44.4380

Conversions

Conversions Part 2

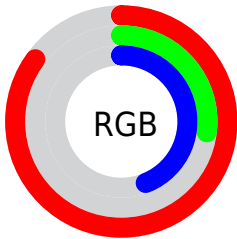
Format	Color
R_{YB}	217, 69, 111
Decimal	14239087
CIE _{Lab}	52.01, 60.41, 9.24
CIE _{LCh}	52, 61.116, 8.697
Yxy	20.1557, 0.4739, 0.2842
Android (android.graphics.Color)	4292429167 (0xFFD9456F)
YUV	118.0400, -3.4707, 86.7879
Hunter-Lab	44.8951, 55.0623, 8.7701

Details

The Yxy color **20.1557, 0.4739, 0.2842** 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 **53.9809, 0.2534, 0.3908**, and the grayscale version is **18.1268, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.7903, 0.4159, 0.2922**, and **7.5383, 0.5317, 0.2703** is the 20% darker color. If you saturate the color by 10%, you get **17.6435, 0.5114, 0.2844**, and if you desaturate by 10%, it is **23.7054, 0.4383, 0.2876**.

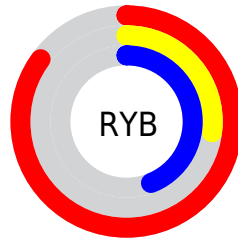
Distribution



Red (85%)

Green (27%)

Blue (44%)



Red (85%)

Yellow (27%)

Blue (44%)

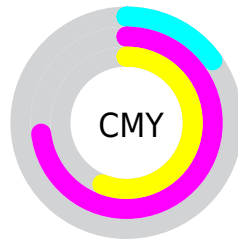


Cyan (0%)

Magenta (68%)

Yellow (49%)

Black (15%)



Cyan (15%)


Magenta (73%)


Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.1557, 0.4739, 0.2842 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 20.1557, 0.4739, 0.2842 by changing the saturation by 10% instead.


 20.1557, 0.4739,
0.2842


 20.1557, 0.4739,
0.2842


252.7568, 0.3823,
0.3117


 12.5083, 0.5007,
0.2752


 43.6781, 0.4378,
0.2956

 7.0908, 0.5375,
0.2623


 60.3218, 0.4251,
0.2995


 3.5190, 0.5905,
0.2423

 80.7331, 0.4147,
0.3026

 1.4083, 0.6716,
0.2092

 105.2963, 0.4060,
0.3051

 0.2228, 0.8998,
0.1002

 134.3959, 0.3987,
0.3071

 0.0000, 1.0000,
0.0000

168.4163, 0.3924,

 0.0000, 0.0000,

0.3089

0.0000

207.7418, 0.3870,
0.3104

■ 20.1557, 0.4739,
0.2842

■ 20.1557, 0.4739,
0.2842

■ 17.6435, 0.5114,
0.2844

■ 23.7054, 0.4383,
0.2876

■ 16.0499, 0.5477,
0.2890

■ 28.3874, 0.4066,
0.2934

■ 15.2093, 0.5793,
0.2978

■ 34.2898, 0.3794,
0.3005

■ 15.0924, 0.5845,
0.2994

■ 41.4907, 0.3568,
0.3082

■ 50.0618, 0.3382,
0.3159

 60.0697, 0.3230,
0.3233

 71.5762, 0.3107,
0.3302

 84.6400, 0.3006,
0.3366

 93.2278, 0.2922,
0.3331

Harmonies

Analogous

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



20.1557, 0.3637, 0.2247



20.1557, 0.4739, 0.2842



20.1557, 0.5284, 0.3537

Triad

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



20.1557, 0.4739, 0.2842



20.1557, 0.3375, 0.5398



20.1557, 0.1411, 0.1880

Complementary

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



20.1557, 0.4739, 0.2842



53.9809, 0.2534, 0.3908

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.



20.1557, 0.1362, 0.2442



20.1557, 0.4739, 0.2842



20.1557, 0.2394, 0.4814

Square

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



20.1557, 0.4739, 0.2842



20.1557, 0.4344, 0.5032



20.1557, 0.1673, 0.3518



20.1557, 0.1789, 0.1715

Rectangle

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



20.1557, 0.4739, 0.2842



20.1557, 0.5218, 0.4033



20.1557, 0.1673, 0.3518



20.1557, 0.1358, 0.2016

Sweetspot

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



20.1568, 0.4739, 0.2842



69.5321, 0.3416, 0.3144



18.1073, 0.2709, 0.1543



14.1133, 0.3467, 0.3122



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.



20.1568, 0.4739, 0.2842



24.2304, 0.5284, 0.2859



24.0314, 0.5120, 0.3607



13.1119, 0.3247, 0.3224



9.1532, 0.5808, 0.2973



0.6076, 0.5339, 0.2715

Inverse Universe

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



20.1568, 0.4739, 0.2842



24.2304, 0.5284, 0.2859



41.9836, 0.2236, 0.2859



13.1119, 0.3247, 0.3224



9.1532, 0.5808, 0.2973



0.6076, 0.5339, 0.2715

Previews

White Background



This preview shows how the Yxy color 20.1557, 0.4739, 0.2842 looks on a white background.

Color Contrast Check

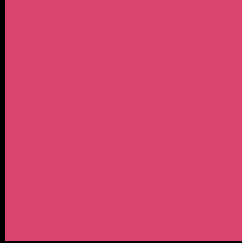
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 20.1557, 0.4739, 0.2842 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

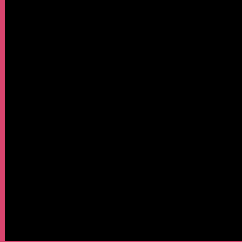
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.1557, 0.4739, 0.2842

Background



This preview shows how black text looks on a background with the Yxy color 20.1557, 0.4739, 0.2842.



This preview shows how white text looks on a background with the Yxy color 20.1557, 0.4739, 0.2842.

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

20.1557, 0.4739, 0.2842

Protanopia

20.4760, 0.2921, 0.2984

Deuteranopia

20.3617, 0.3634, 0.3571



Tritanopia

20.1951, 0.5166, 0.3255

Trichromacy



Original Color

20.1557, 0.4739, 0.2842

Protanomaly

18.6804, 0.3516, 0.2870

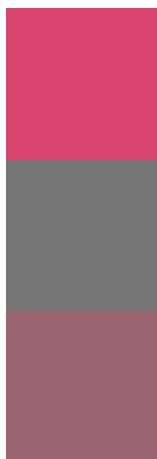
Deuteranomaly

19.0268, 0.4055, 0.3201

Tritanomaly

20.1193, 0.5031, 0.3106

Monochromacy



Original Color

20.1557, 0.4739, 0.2842

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

17.2222, 0.3704, 0.3041

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.1557, 0.4739, 0.2842 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(217, 69, 111)` looks like.

```
.text, #text, p{  
    color:rgb(217, 69, 111)  
}
```

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(217, 69, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 69, 111) }
```

Border

The CSS property to change the border of an element to Yxy 20.1557, 0.4739, 0.2842 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(217, 69, 111) }
```

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

```
.border{ border-color:rgb(217, 69, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 69, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 69, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 69, 111);  
box-shadow:4px 4px 4px 4px rgb(217, 69,  
111) }
```


Background

The CSS property to change the background color of an element to Yxy 20.1557, 0.4739, 0.2842 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 69, 111) }
```

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

```
.background{ background-color: rgb(217, 69,  
111) }
```

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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