

Converting Colors

$Y_{xy}(21.1189, 0.4142, 0.2527)$

Have a look what the booklet for
Yxy(21.1189, 0.4142, 0.2527)
contains.

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Color

Yxy(21.1189, 0.4142, 0.2527)

Conversions

Conversions Part 1

Format	Color
Hex	D44C8E
RGB	212, 76, 142
RGB Percent	83%, 30%, 56%
CMY	0.1687, 0.7019, 0.4432
CMYK	0.00, 0.64, 0.33, 0.17
HSL	331°, 61%, 56%
HSV	331°, 64%, 83%
XYZ	34.6159, 21.1189, 27.8382
YIQ	124.1880, 59.8700, 49.3580

Conversions

Conversions Part 2

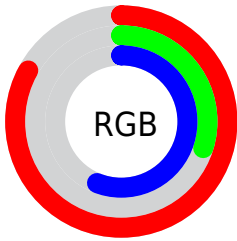
Format	Color
R _Y B	212, 76, 142
Decimal	13913230
CIE Lab	53.08, 59.31, -7.84
CIE LCh	53, 59.826, 352.475
Yxy	21.1189, 0.4142, 0.2527
Android (android.graphics.Color)	4292103310 (0xFFD44C8E)
YUV	124.1880, 8.7813, 77.0111
Hunter-Lab	45.9553, 54.0338, -3.7472

Details

The Yxy color **21.1189, 0.4142, 0.2527** 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 **50.6966, 0.2694, 0.4306**, and the grayscale version is **20.1792, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.7481, 0.3755, 0.2636**, and **7.5450, 0.4511, 0.2259** is the 20% darker color. If you saturate the color by 10%, you get **18.3519, 0.4390, 0.2471**, and if you desaturate by 10%, it is **24.8823, 0.3914, 0.2619**.

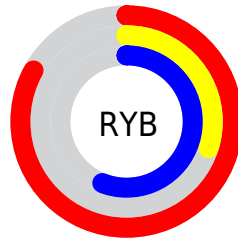
Distribution



Red (83%)

Green (30%)

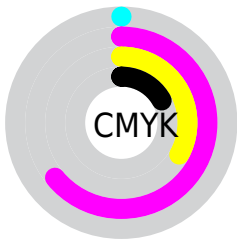
Blue (56%)



Red (83%)

Yellow (30%)

Blue (56%)

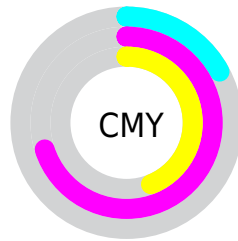


Cyan (0%)

Magenta (64%)

Yellow (33%)

Black (17%)



Cyan (17%)


Magenta (70%)


Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.1189, 0.4142, 0.2527 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 21.1189, 0.4142, 0.2527 by changing the saturation by 10% instead.


 21.1189, 0.4142,
0.2527


 21.1189, 0.4142,
0.2527


257.9097, 0.3581,
0.2938


 13.2109, 0.4301,
0.2415


 45.2853, 0.3924,
0.2683

 7.5740, 0.4519,
0.2265


 62.3126, 0.3847,
0.2740

 3.8236, 0.4830,
0.2056

 83.1484, 0.3783,
0.2787

 1.5754, 0.5311,
0.1748

 108.1772, 0.3730,
0.2827

 0.3409, 0.6312,
0.0998

 137.7833, 0.3684,
0.2860

 0.0000, 1.0000,
0.0000

172.3512, 0.3645,

 0.0000, 0.0000,

0.2890

0.0000

212.2652, 0.3611,
0.2915

■ 21.1189, 0.4142,
0.2527

■ 21.1189, 0.4142,
0.2527

■ 18.3519, 0.4390,
0.2471

■ 24.8823, 0.3914,
0.2619

■ 16.4783, 0.4647,
0.2461

■ 29.7249, 0.3712,
0.2734

■ 15.3786, 0.4899,
0.2506


■ 35.7247, 0.3538,
0.2860

■ 14.9722, 0.5042,
0.2551

■ 42.9513, 0.3390,
0.2991

■ 51.4689, 0.3267,
0.3119

 61.3371, 0.3164,
0.3241

 72.6119, 0.3080,
0.3356

 85.3460, 0.3010,
0.3463

 91.8200, 0.2950,
0.3443

Harmonies

Analogous

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



21.1189, 0.3019, 0.2038



21.1189, 0.4142, 0.2527



21.1189, 0.5016, 0.3166

Triad

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



21.1189, 0.4142, 0.2527



21.1189, 0.3904, 0.5221



21.1189, 0.1391, 0.2165

Complementary

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



21.1189, 0.4142, 0.2527



50.6966, 0.2694, 0.4306

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.



21.1189, 0.1529, 0.2978



21.1189, 0.4142, 0.2527



21.1189, 0.2928, 0.5185

Square

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



21.1189, 0.4142, 0.2527



21.1189, 0.4745, 0.4618



21.1189, 0.2054, 0.4209



21.1189, 0.1584, 0.1806

Rectangle

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



21.1189, 0.4142, 0.2527



21.1189, 0.5226, 0.3632



21.1189, 0.2054, 0.4209



21.1189, 0.1398, 0.2380

Sweetspot

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



21.1200, 0.4142, 0.2527



71.3842, 0.3326, 0.3054



15.8543, 0.2455, 0.1499



14.4975, 0.3363, 0.3017



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.



21.1200, 0.4142, 0.2527



26.6822, 0.4484, 0.2461



19.6894, 0.5196, 0.3296



12.5202, 0.3216, 0.3177



9.2639, 0.5010, 0.2533



0.5755, 0.4617, 0.2317

Inverse Universe

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



21.1200, 0.4142, 0.2527



26.6822, 0.4484, 0.2461



53.3736, 0.2366, 0.3288



12.5202, 0.3216, 0.3177



9.2639, 0.5010, 0.2533



0.5755, 0.4617, 0.2317

Previews

White Background



This preview shows how the Yxy color 21.1189, 0.4142, 0.2527 looks on a white background.

Color Contrast Check

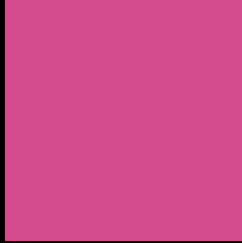
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.1189, 0.4142, 0.2527 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

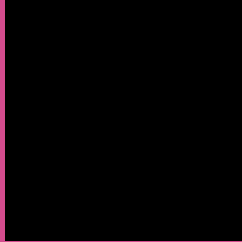
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.1189, 0.4142, 0.2527

Background



This preview shows how black text looks on a background with the Yxy color 21.1189, 0.4142, 0.2527.



This preview shows how white text looks on a background with the Yxy color 21.1189, 0.4142, 0.2527.

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

21.1189, 0.4142, 0.2527

Protanopia

21.5276, 0.2527, 0.2472

Deuteranopia

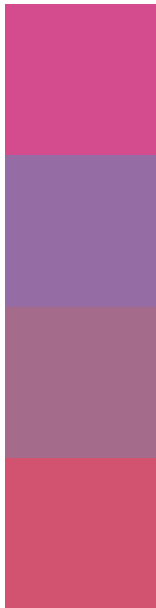
21.3988, 0.3148, 0.3100



Tritanopia

21.0166, 0.4818, 0.3225

Trichromacy



Original Color

21.1189, 0.4142, 0.2527

Protanomaly

19.7590, 0.2997, 0.2430

Deuteranomaly

20.2429, 0.3493, 0.2811

Tritanomaly

20.8895, 0.4574, 0.2962

Monochromacy



Original Color

21.1189, 0.4142, 0.2527

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

19.2220, 0.3481, 0.2901

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.1189, 0.4142, 0.2527 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(212, 76, 142)` looks like.

```
.text, #text, p{  
    color:rgb(212, 76, 142)  
}
```

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(212, 76, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 76, 142) }
```

Border

The CSS property to change the border of an element to Yxy 21.1189, 0.4142, 0.2527 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(212, 76, 142) }
```

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

```
.border{ border-color:rgb(212, 76, 142) }
```

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

Here you see how a box with a 4 pixel rgb(212, 76, 142) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 76, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 76, 142);  
box-shadow:4px 4px 4px 4px rgb(212, 76,  
142) }
```


Background

The CSS property to change the background color of an element to Yxy 21.1189, 0.4142, 0.2527 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 76, 142) }
```

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

```
.background{ background-color: rgb(212, 76,  
142) }
```

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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