

Converting Colors

$Y_{xy}(20.8263, 0.4099, 0.2418)$

Have a look what the booklet for
Yxy(20.8263, 0.4099, 0.2418)
contains.

Yxy(20.8146, 0.4089, 0.2413)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(20.8146, 0.4089, 0.2413)

Conversions

Conversions Part 1

Format	Color
Hex	D64694
RGB	214, 70, 148
RGB Percent	84%, 27%, 58%
CMY	0.1607, 0.7256, 0.4196
CMYK	0.00, 0.67, 0.31, 0.16
HSL	328°, 64%, 56%
HSV	328°, 67%, 84%
XYZ	35.2718, 20.8146, 30.1738
YIQ	121.9480, 60.7860, 54.7860

Conversions

Conversions Part 2

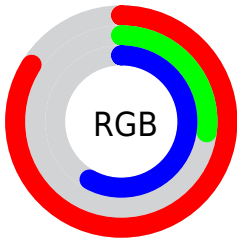
Format	Color
R _Y B	214, 70, 148
Decimal	14042772
CIE _{Lab}	52.75, 62.99, -11.87
CIE _{LCh}	53, 64.097, 349.332
Y _{xy}	20.8146, 0.4089, 0.2413
Android (android.graphics.Color)	4292232852 (0xFFD64694)
Y _{UV}	121.9480, 12.8436, 80.7296
Hunter-Lab	45.6230, 58.1607, -7.2767

Details

The Yxy color **20.8146, 0.4089, 0.2413** is a dark color, and the websafe version is hex **CC3399**. The color can be described as middle muted rose. A complement of this color would be **51.1843, 0.2727, 0.4500**, and the grayscale version is **19.3849, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.7030, 0.3700, 0.2531**, and **7.8316, 0.4415, 0.2206** is the 20% darker color. If you saturate the color by 10%, you get **18.3016, 0.4306, 0.2358**, and if you desaturate by 10%, it is **24.3096, 0.3885, 0.2508**.

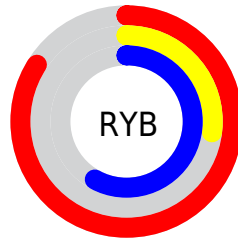
Distribution



Red (84%)

Green (27%)

Blue (58%)



Red (84%)

Yellow (27%)

Blue (58%)

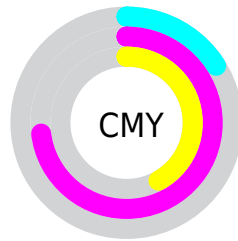


Cyan (0%)

Magenta (67%)

Yellow (31%)

Black (16%)



Cyan (16%)


Magenta (73%)

Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.8146, 0.4089, 0.2413 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 20.8146, 0.4089, 0.2413 by changing the saturation by 10% instead.


 20.8146, 0.4089,
0.2413


 20.8146, 0.4089,
0.2413


256.2916, 0.3563,
0.2878


 12.9885, 0.4236,
0.2289


 44.7788, 0.3886,
0.2588


 7.4207, 0.4436,
0.2125


 61.6857, 0.3814,
0.2652

 3.7265, 0.4719,
0.1901

 82.3883, 0.3754,
0.2705

 1.5218, 0.5149,
0.1579

 107.2711, 0.3703,
0.2751

 0.3040, 0.6046,
0.0813

 136.7184, 0.3660,
0.2789

 0.0000, 1.0000,
0.0000

171.1147, 0.3623,

 0.0000, 0.0000,

0.2823

0.0000

210.8443, 0.3591,
0.2852

■ 20.8146, 0.4089,
0.2413

■ 20.8146, 0.4089,
0.2413

■ 18.3016, 0.4306,
0.2358

■ 24.3096, 0.3885,
0.2508

■ 16.6601, 0.4528,
0.2353

■ 28.8752, 0.3702,
0.2629

■ 15.7465, 0.4744,
0.2402

■ 34.5935, 0.3541,
0.2767


■ 15.5587, 0.4802,
0.2419


■ 41.5377, 0.3403,
0.2911

■ 49.7748, 0.3286,
0.3054

 59.3671, 0.3188,
0.3193

 70.3727, 0.3107,
0.3325

 82.8464, 0.3039,
0.3447

 91.8928, 0.2983,
0.3484

Harmonies

Analogous

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



20.8146, 0.2887, 0.1926



20.8146, 0.4089, 0.2413



20.8146, 0.5087, 0.3066

Triad

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



20.8146, 0.4089, 0.2413



20.8146, 0.4027, 0.5295



20.8146, 0.1294, 0.2148

Complementary

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



20.8146, 0.4089, 0.2413



51.1843, 0.2727, 0.4500

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.



20.8146, 0.1468, 0.3064



20.8146, 0.4089, 0.2413



20.8146, 0.3000, 0.5403

Square

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



20.8146, 0.4089, 0.2413



20.8146, 0.4902, 0.4584



20.8146, 0.2056, 0.4430



20.8146, 0.1462, 0.1739

Rectangle

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



20.8146, 0.4089, 0.2413



20.8146, 0.5359, 0.3545



20.8146, 0.2056, 0.4430



20.8146, 0.1311, 0.2390

Sweetspot

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



20.8157, 0.4089, 0.2413



70.2505, 0.3318, 0.3013



14.3686, 0.2340, 0.1384



14.2844, 0.3350, 0.2972



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.



20.8157, 0.4089, 0.2413



25.9602, 0.4406, 0.2349



19.2161, 0.5247, 0.3224



12.5322, 0.3207, 0.3164



9.4232, 0.4772, 0.2403



0.5850, 0.4429, 0.2214

Inverse Universe

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



20.8157, 0.4089, 0.2413



25.9602, 0.4406, 0.2349



53.9027, 0.2378, 0.3389



12.5322, 0.3207, 0.3164



9.4232, 0.4772, 0.2403



0.5850, 0.4429, 0.2214

Previews

White Background



This preview shows how the Yxy color 20.8146, 0.4089, 0.2413 looks on a white background.

Color Contrast Check

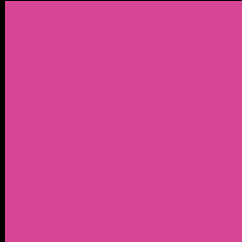
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.8146, 0.4089, 0.2413 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

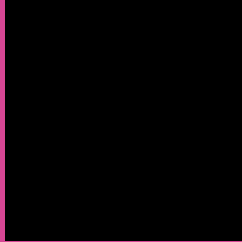
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.8146, 0.4089, 0.2413

Background



This preview shows how black text looks on a background with the Yxy color 20.8146, 0.4089, 0.2413.



This preview shows how white text looks on a background with the Yxy color 20.8146, 0.4089, 0.2413.

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

20.8146, 0.4089, 0.2413

Protanopia

21.0246, 0.2383, 0.2276

Deuteranopia

20.9649, 0.3046, 0.2994



Tritanopia

20.7905, 0.4888, 0.3238

Trichromacy



Original Color

20.8146, 0.4089, 0.2413

Protanomaly

18.8989, 0.2853, 0.2240

Deuteranomaly

19.5652, 0.3406, 0.2686

Tritanomaly

20.7339, 0.4614, 0.2934

Monochromacy



Original Color

20.8146, 0.4089, 0.2413

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

18.3078, 0.3478, 0.2834

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.8146, 0.4089, 0.2413 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(214, 70, 148)` looks like.

```
.text, #text, p{  
    color:rgb(214, 70, 148)  
}
```

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(214, 70, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 70, 148) }
```

Border

The CSS property to change the border of an element to Yxy 20.8146, 0.4089, 0.2413 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(214, 70, 148) }
```

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

```
.border{ border-color:rgb(214, 70, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 70, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 70, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 70, 148);  
box-shadow:4px 4px 4px 4px rgb(214, 70,  
148) }
```


Background

The CSS property to change the background color of an element to Yxy 20.8146, 0.4089, 0.2413 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 70, 148) }
```

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

```
.background{ background-color: rgb(214, 70,  
148) }
```

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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