

Converting Colors

$Y_{xy}(20.7908, 0.3857, 0.2166)$

Have a look what the booklet for
Yxy(20.7908, 0.3857, 0.2166)
contains.

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Color

Yxy(20.6896, 0.3853, 0.2162)

Conversions

Conversions Part 1

Format	Color
Hex	D83DA6
RGB	216, 61, 166
RGB Percent	85%, 24%, 65%
CMY	0.1529, 0.7608, 0.3489
CMYK	0.00, 0.72, 0.23, 0.15
HSL	319°, 67%, 54%
HSV	319°, 72%, 85%
XYZ	36.8719, 20.6896, 38.1351
YIQ	119.3150, 58.6750, 65.5150

Conversions

Conversions Part 2

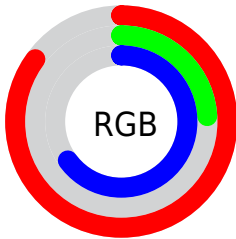
Format	Color
R_{YB}	216, 61, 166
Decimal	14171558
CIE _{Lab}	52.61, 68.94, -22.69
CIE _{LCh}	53, 72.574, 341.783
Yxy	20.6896, 0.3853, 0.2162
Android (android.graphics.Color)	4292361638 (0xFFD83DA6)
YUV	119.3150, 23.0157, 84.7927
Hunter-Lab	45.4858, 65.0962, -17.8684

Details

The Yxy color **20.6896, 0.3853, 0.2162** 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 **51.2515, 0.2823, 0.4929**, and the grayscale version is **18.4655, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.1552, 0.3509, 0.2305**, and **8.3830, 0.4037, 0.1997** is the 20% darker color. If you saturate the color by 10%, you get **18.5817, 0.3993, 0.2101**, and if you desaturate by 10%, it is **23.7415, 0.3717, 0.2267**.

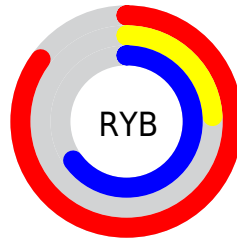
Distribution



Red (85%)

Green (24%)

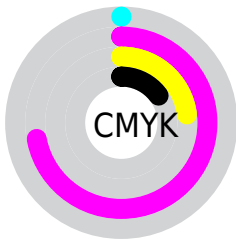
Blue (65%)



Red (85%)

Yellow (24%)

Blue (65%)

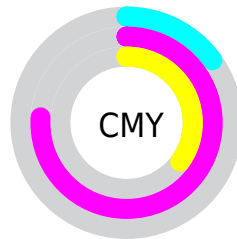


Cyan (0%)

Magenta (72%)

Yellow (23%)

Black (15%)



Cyan (15%)


Magenta (76%)


Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.6896, 0.3853, 0.2162 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 20.6896, 0.3853, 0.2162 by changing the saturation by 10% instead.


 20.6896, 0.3853,
0.2162


 20.6896, 0.3853,
0.2162


255.6243, 0.3473,
0.2739


 12.8973, 0.3952,
0.2016

 44.5704, 0.3711,
0.2374

 7.3579, 0.4082,
0.1830


 61.4276, 0.3659,
0.2452

 3.6869, 0.4259,
0.1584


 82.0753, 0.3615,
0.2519

 1.5000, 0.4508,
0.1252

 106.8979, 0.3578,
0.2576

 0.2887, 0.4998,
0.0572

 136.2796, 0.3546,
0.2625

 0.0000, 0.5660,
0.0000

170.6050, 0.3519,

 0.0000, 0.0000,

0.2668

0.0000

210.2584, 0.3494,
0.2706

■ 20.6896, 0.3853,
0.2162

■ 20.6896, 0.3853,
0.2162

■ 18.5817, 0.3993,
0.2101

■ 23.7415, 0.3717,
0.2267

■ 17.2951, 0.4132,
0.2089

■ 27.8338, 0.3589,
0.2406

■ 16.6851, 0.4244,
0.2112

■ 33.0546, 0.3473,
0.2567

■ 39.4817, 0.3370,
0.2741

■ 47.1860, 0.3280,
0.2918

■ 56.2326, 0.3203,
0.3093

■ 66.6826, 0.3138,
0.3261

■ 78.5929, 0.3083,
0.3420

■ 91.7598, 0.3037,
0.3564

Harmonies

Analogous

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



20.6896, 0.2551, 0.1704



20.6896, 0.3853, 0.2162



20.6896, 0.5119, 0.2823

Triad

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



20.6896, 0.3853, 0.2162



20.6896, 0.4324, 0.5308



20.6896, 0.1136, 0.2192

Complementary

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



20.6896, 0.3853, 0.2162



51.2515, 0.2823, 0.4929

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.



20.6896, 0.1404, 0.3369



20.6896, 0.3853, 0.2162



20.6896, 0.3215, 0.5780

Square

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



20.6896, 0.3853, 0.2162



20.6896, 0.5237, 0.4414



20.6896, 0.2140, 0.4991



20.6896, 0.1233, 0.1649

Rectangle

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



20.6896, 0.3853, 0.2162



20.6896, 0.5564, 0.3316



20.6896, 0.2140, 0.4991



20.6896, 0.1180, 0.2504

Sweetspot

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



20.6907, 0.3853, 0.2162



68.1700, 0.3284, 0.2910



11.6162, 0.2087, 0.1182



13.8982, 0.3307, 0.2862



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.



20.6907, 0.3853, 0.2162



25.9762, 0.4064, 0.2089



18.6652, 0.5135, 0.3013



12.5614, 0.3187, 0.3133



9.8964, 0.4225, 0.2101



0.6117, 0.4006, 0.1981

Inverse Universe

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



20.6907, 0.3853, 0.2162



25.9762, 0.4064, 0.2089



53.7171, 0.2448, 0.3703



12.5614, 0.3187, 0.3133



9.8964, 0.4225, 0.2101



0.6117, 0.4006, 0.1981

Previews

White Background



This preview shows how the Yxy color 20.6896, 0.3853, 0.2162 looks on a white background.

Color Contrast Check

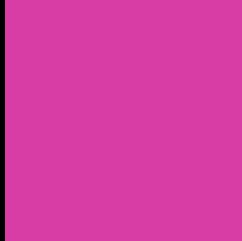
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.6896, 0.3853, 0.2162 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

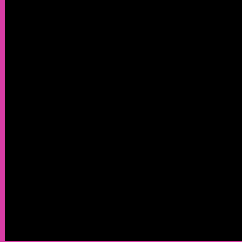
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.6896, 0.3853, 0.2162

Background



This preview shows how black text looks on a background with the Yxy color 20.6896, 0.3853, 0.2162.



This preview shows how white text looks on a background with the Yxy color 20.6896, 0.3853, 0.2162.

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

20.6896, 0.3853, 0.2162

Protanopia

21.0472, 0.2092, 0.1902

Deuteranopia

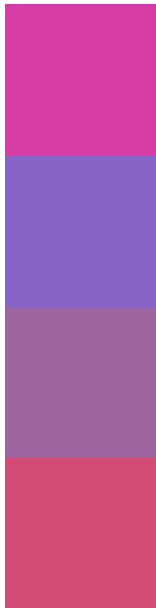
20.9872, 0.2764, 0.2721



Tritanopia

20.6172, 0.4911, 0.3238

Trichromacy



Original Color

20.6896, 0.3853, 0.2162

Protanomaly

18.2139, 0.2504, 0.1864

Deuteranomaly

18.9133, 0.3119, 0.2387

Tritanomaly

20.4503, 0.4548, 0.2823

Monochromacy



Original Color

20.6896, 0.3853, 0.2162

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

17.3830, 0.3406, 0.2674

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.6896, 0.3853, 0.2162 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(216, 61, 166)` looks like.

```
.text, #text, p{  
    color:rgb(216, 61, 166)  
}
```

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(216, 61, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 61, 166) }
```

Border

The CSS property to change the border of an element to Yxy 20.6896, 0.3853, 0.2162 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(216, 61, 166) }
```

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

```
.border{ border-color:rgb(216, 61, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 61, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 61, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 61, 166);  
box-shadow:4px 4px 4px 4px rgb(216, 61,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 20.6896, 0.3853, 0.2162 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 61, 166) }
```

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

```
.background{ background-color: rgb(216, 61,  
166) }
```

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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