

Converting Colors

$Y_{xy}(20.7660, 0.3635, 0.2227)$

Have a look what the booklet for
Yxy(20.7660, 0.3635, 0.2227)
contains.

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Color

Yxy(20.6563, 0.3625, 0.2216)

Conversions

Conversions Part 1

Format	Color
Hex	C94EA7
RGB	201, 78, 167
RGB Percent	79%, 31%, 65%
CMY	0.2117, 0.6942, 0.3451
CMYK	0.00, 0.61, 0.17, 0.21
HSL	317°, 53%, 55%
HSV	317°, 61%, 79%
XYZ	33.7902, 20.6563, 38.7678
YIQ	124.9230, 44.7390, 53.7550

Conversions

Conversions Part 2

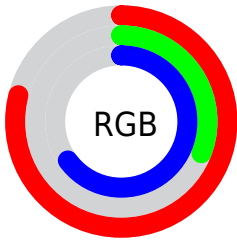
Format	Color
R_{YB}	201, 78, 167
Decimal	13192871
CIE _{Lab}	52.57, 58.64, -23.53
CIE _{LCh}	53, 63.183, 338.138
Yxy	20.6563, 0.3625, 0.2216
Android (android.graphics.Color)	4291382951 (0xFFC94EA7)
YUV	124.9230, 20.7440, 66.7195
Hunter-Lab	45.4492, 53.1736, -18.7595

Details

The Yxy color **20.6563, 0.3625, 0.2216** 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 **44.5697, 0.2867, 0.4740**, and the grayscale version is **20.3982, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.5841, 0.3483, 0.2411**, and **7.3842, 0.3774, 0.1895** is the 20% darker color. If you saturate the color by 10%, you get **18.0237, 0.3738, 0.2100**, and if you desaturate by 10%, it is **24.1725, 0.3519, 0.2365**.

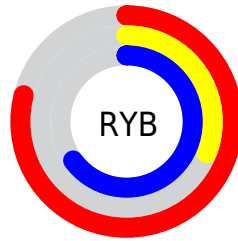
Distribution



Red (79%)

Green (31%)

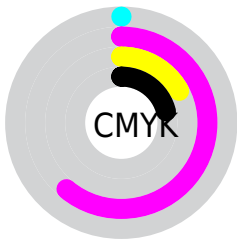
Blue (65%)



Red (79%)

Yellow (31%)

Blue (65%)

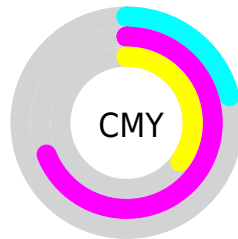


Cyan (0%)

Magenta (61%)

Yellow (17%)

Black (21%)



Cyan (21%)


Magenta (69%)

Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.6563, 0.3625, 0.2216 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 20.6563, 0.3625, 0.2216 by changing the saturation by 10% instead.


 20.6563, 0.3625,
0.2216


 20.6563, 0.3625,
0.2216


255.4462, 0.3369,
0.2769


 12.8730, 0.3690,
0.2075


 44.5148, 0.3531,
0.2420

 7.3412, 0.3774,
0.1893

 61.3588, 0.3496,
0.2495


 3.6764, 0.3886,
0.1652


 81.9919, 0.3466,
0.2559

 1.4942, 0.4039,
0.1321

 106.7983, 0.3441,
0.2614

 0.2847, 0.4366,
0.0613

 136.1626, 0.3419,
0.2660

 0.0000, 0.4644,
0.0000

170.4691, 0.3400,

 0.0000, 0.0000,

0.2701

0.0000

210.1022, 0.3384,
0.2737

■ 20.6563, 0.3625,
0.2216

■ 20.6563, 0.3625,
0.2216

■ 18.0237, 0.3738,
0.2100

■ 24.1725, 0.3519,
0.2365

■ 16.1890, 0.3853,
0.2027

■ 28.6413, 0.3421,
0.2536

■ 15.0550, 0.3966,
0.2001

■ 34.1286, 0.3333,
0.2719

■ 14.4778, 0.4064,
0.2013

■ 40.6932, 0.3256,
0.2906

■ 48.3897, 0.3190,
0.3091

■ 57.2690, 0.3133,
0.3269

■ 67.3786, 0.3085,
0.3438

■ 78.7636, 0.3045,
0.3595

■ 88.9504, 0.3011,
0.3701

Harmonies

Analogous

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



20.6563, 0.2508, 0.1819



20.6563, 0.3625, 0.2216



20.6563, 0.4761, 0.2817

Triad

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



20.6563, 0.3625, 0.2216



20.6563, 0.4376, 0.5049



20.6563, 0.1332, 0.2434

Complementary

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



20.6563, 0.3625, 0.2216



44.5697, 0.2867, 0.4740

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.



20.6563, 0.1651, 0.3545



20.6563, 0.3625, 0.2216



20.6563, 0.3390, 0.5454

Square

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



20.6563, 0.3625, 0.2216



20.6563, 0.5121, 0.4282



20.6563, 0.2389, 0.4880



20.6563, 0.1376, 0.1857

Rectangle

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



20.6563, 0.3625, 0.2216



20.6563, 0.5229, 0.3277



20.6563, 0.2389, 0.4880



20.6563, 0.1394, 0.2744

Sweetspot

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



20.6573, 0.3625, 0.2216



73.3395, 0.3236, 0.2961



13.0316, 0.2210, 0.1455



14.9096, 0.3256, 0.2906



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.



20.6573, 0.3625, 0.2216



29.8354, 0.3770, 0.2075



18.9222, 0.4580, 0.2943



10.7647, 0.3179, 0.3124



9.1177, 0.4049, 0.2004



0.4435, 0.3836, 0.1887

Inverse Universe

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



20.6573, 0.3625, 0.2216



29.8354, 0.3770, 0.2075



46.3903, 0.2533, 0.3730



10.7647, 0.3179, 0.3124



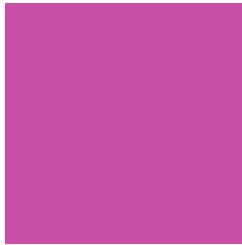
9.1177, 0.4049, 0.2004



0.4435, 0.3836, 0.1887

Previews

White Background



This preview shows how the Yxy color 20.6563, 0.3625, 0.2216 looks on a white background.

Color Contrast Check

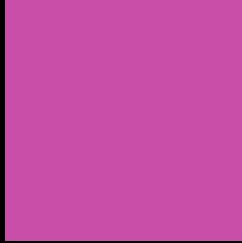
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.6563, 0.3625, 0.2216 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

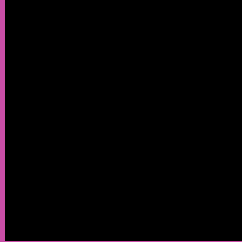
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.6563, 0.3625, 0.2216

Background



This preview shows how black text looks on a background with the Yxy color 20.6563, 0.3625, 0.2216.



This preview shows how white text looks on a background with the Yxy color 20.6563, 0.3625, 0.2216.

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

20.6563, 0.3625, 0.2216

Protanopia

20.9106, 0.2196, 0.2033

Deuteranopia

21.0183, 0.2726, 0.2673



Tritanopia

20.7261, 0.4491, 0.3215

Trichromacy



Original Color

20.6563, 0.3625, 0.2216



Protanomaly

19.3014, 0.2571, 0.2035



Deuteranomaly

19.6438, 0.3009, 0.2418



Tritanomaly

20.4957, 0.4176, 0.2825

Monochromacy



Original Color

20.6563, 0.3625, 0.2216



Achromatopsia

20.5079, 0.3127, 0.3290



Achromatomaly

19.3909, 0.3321, 0.2772

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.6563, 0.3625, 0.2216 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(201, 78, 167)` looks like.

```
.text, #text, p{  
    color:rgb(201, 78, 167)  
}
```

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(201, 78, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 78, 167) }
```

Border

The CSS property to change the border of an element to Yxy 20.6563, 0.3625, 0.2216 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(201, 78, 167) }
```

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

```
.border{ border-color:rgb(201, 78, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 78, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 78, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 78, 167);  
box-shadow:4px 4px 4px 4px rgb(201, 78,  
167) }
```


Background

The CSS property to change the background color of an element to Yxy 20.6563, 0.3625, 0.2216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 78, 167) }
```

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

```
.background{ background-color: rgb(201, 78,  
167) }
```

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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