

Converting Colors

$Y_{xy}(20.8439, 0.3483, 0.2274)$

Have a look what the booklet for
Yxy(20.8439, 0.3483, 0.2274)
contains.

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Color

Yxy(20.8458, 0.3484, 0.2273)

Conversions

Conversions Part 1

Format	Color
Hex	BF58A7
RGB	191, 88, 167
RGB Percent	75%, 35%, 65%
CMY	0.2510, 0.6549, 0.3450
CMYK	0.00, 0.54, 0.13, 0.25
HSL	314°, 45%, 55%
HSV	314°, 54%, 75%
XYZ	31.9519, 20.8458, 38.9128
YIQ	127.8030, 36.0290, 46.4050

Conversions

Conversions Part 2

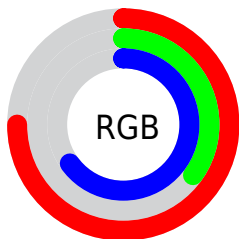
Format	Color
R_{YB}	191, 88, 167
Decimal	12540071
CIE _{Lab}	52.78, 51.19, -23.34
CIE _{LCh}	53, 56.265, 335.488
Yxy	20.8458, 0.3484, 0.2273
Android (android.graphics.Color)	4290730151 (0xFFBF58A7)
YUV	127.8030, 19.3241, 55.4238
Hunter-Lab	45.6572, 45.0182, -18.5717

Details

The Yxy color $20.8458, 0.3484, 0.2273$ is a dark color, and the websafe version is hex `CC66CC`. A complement of this color would be $40.5040, 0.2911, 0.4609$, and the grayscale version is $21.4380, 0.3127, 0.3290$.

A 20% lighter version of the original color is $44.7597, 0.3418, 0.2471$, and $7.4764, 0.3582, 0.1965$ is the 20% darker color. If you saturate the color by 10%, you get $17.9496, 0.3573, 0.2125$, and if you desaturate by 10%, it is $24.5709, 0.3400, 0.2447$.

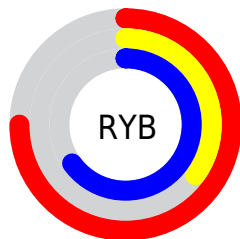
Distribution



Red (75%)

Green (35%)

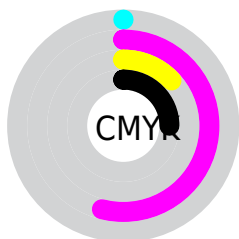
Blue (65%)



Red (75%)

Yellow (35%)

Blue (65%)

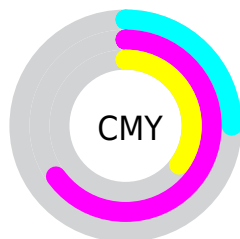


Cyan (0%)

Magenta (54%)

Yellow (13%)

Black (25%)



Cyan (25%)


Magenta (65%)


Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.8458, 0.3484, 0.2273 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 20.8458, 0.3484, 0.2273 by changing the saturation by 10% instead.


 20.8458, 0.3484,
0.2273

 20.8458, 0.3484,
0.2273


256.4579, 0.3304,
0.2800

 13.0113, 0.3529,
0.2137


 44.8308, 0.3419,
0.2468


 7.4364, 0.3585,
0.1962


 61.7500, 0.3394,
0.2540

 3.7365, 0.3658,
0.1726


 82.4664, 0.3373,
0.2601

 1.5273, 0.3752,
0.1400

 107.3642, 0.3355,
0.2652

 0.3078, 0.3972,
0.0697

136.8279, 0.3340,
0.2697

 0.0000, 0.3915,
0.0000

171.2418, 0.3326,

 0.0000, 0.0000,

0.2736

0.0000

210.9903, 0.3314,
0.2770

■ 20.8458, 0.3484,
0.2273

■ 20.8458, 0.3484,
0.2273

■ 17.9496, 0.3573,
0.2125

■ 24.5709, 0.3400,
0.2447

■ 15.8137, 0.3666,
0.2013

■ 29.1805, 0.3324,
0.2636

■ 14.3634, 0.3759,
0.1944

■ 34.7289, 0.3256,
0.2832

■ 13.5073, 0.3850,
0.1922

■ 41.2651, 0.3197,
0.3028

■ 13.1684, 0.3904,
0.1924

■ 48.8347, 0.3145,
0.3218

■ 57.4805, 0.3101,
0.3399

■ 67.2427, 0.3064,
0.3569

■ 78.1597, 0.3033,
0.3726

■ 87.1024, 0.3007,
0.3823

Harmonies

Analogous

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



20.8458, 0.2500, 0.1922



20.8458, 0.3484, 0.2273



20.8458, 0.4506, 0.2821

Triad

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



20.8458, 0.3484, 0.2273



20.8458, 0.4368, 0.4855



20.8458, 0.1498, 0.2609

Complementary

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



20.8458, 0.3484, 0.2273



40.5040, 0.2911, 0.4609

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.



20.8458, 0.1843, 0.3635



20.8458, 0.3484, 0.2273



20.8458, 0.3485, 0.5205

Square

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



20.8458, 0.3484, 0.2273



20.8458, 0.4986, 0.4179



20.8458, 0.2560, 0.4757



20.8458, 0.1505, 0.2025

Rectangle

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



20.8458, 0.3484, 0.2273



20.8458, 0.4965, 0.3251



20.8458, 0.2560, 0.4757



20.8458, 0.1571, 0.2905

Sweetspot

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



20.8468, 0.3484, 0.2273



71.0208, 0.3210, 0.2982



14.0766, 0.2294, 0.1667



15.0465, 0.3222, 0.2942



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



20.8468, 0.3484, 0.2273



31.2352, 0.3593, 0.2098



19.3444, 0.4229, 0.2901



9.6573, 0.3172, 0.3116



8.6673, 0.3892, 0.1918



0.3489, 0.3697, 0.1810

Inverse Universe

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



20.8468, 0.3484, 0.2273



31.2352, 0.3593, 0.2098



41.9369, 0.2609, 0.3753



9.6573, 0.3172, 0.3116



8.6673, 0.3892, 0.1918



0.3489, 0.3697, 0.1810

Previews

White Background



This preview shows how the Yxy color 20.8458, 0.3484, 0.2273 looks on a white background.

Color Contrast Check

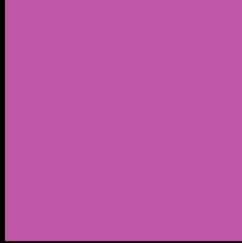
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.8458, 0.3484, 0.2273 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

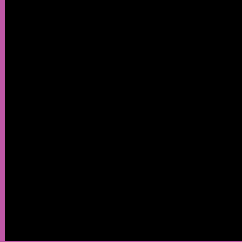
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.8458, 0.3484, 0.2273

Background



This preview shows how black text looks on a background with the Yxy color 20.8458, 0.3484, 0.2273.



This preview shows how white text looks on a background with the Yxy color 20.8458, 0.3484, 0.2273.

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

20.8458, 0.3484, 0.2273

Protanopia

21.1221, 0.2287, 0.2154

Deuteranopia

21.0535, 0.2717, 0.2657



Tritanopia

20.9212, 0.4202, 0.3194

Trichromacy



Original Color

20.8458, 0.3484, 0.2273



Protanomaly

19.9400, 0.2619, 0.2151



Deuteranomaly

20.1242, 0.2962, 0.2468



Tritanomaly

20.7259, 0.3938, 0.2834

Monochromacy



Original Color

20.8458, 0.3484, 0.2273



Achromatopsia

21.5861, 0.3127, 0.3290



Achromatomaly

20.3426, 0.3263, 0.2819

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.8458, 0.3484, 0.2273 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(191, 88, 167)` looks like.

```
.text, #text, p{  
  color:rgb(191, 88, 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(191, 88, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 88, 167) }
```

Border

The CSS property to change the border of an element to Yxy 20.8458, 0.3484, 0.2273 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(191, 88, 167) }
```

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

```
.border{ border-color:rgb(191, 88, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 88, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 88, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 88, 167);  
box-shadow:4px 4px 4px 4px rgb(191, 88,  
167) }
```


Background

The CSS property to change the background color of an element to Yxy 20.8458, 0.3484, 0.2273 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 88, 167) }
```

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

```
.background{ background-color: rgb(191, 88,  
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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