

Converting Colors

$Y_{xy}(21.1966, 0.3160, 0.2006)$

Have a look what the booklet for
Yxy(21.1966, 0.3160, 0.2006)
contains.

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Color

Yxy(21.2255, 0.3163, 0.2008)

Conversions

Conversions Part 1

Format	Color
Hex	BC57BE
RGB	188, 87, 190
RGB Percent	74%, 34%, 75%
CMY	0.2629, 0.6587, 0.2549
CMYK	0.01, 0.54, 0.00, 0.25
HSL	299°, 44%, 54%
HSV	299°, 54%, 75%
XYZ	33.4344, 21.2255, 51.0448
YIQ	128.9410, 27.1330, 53.4450

Conversions

Conversions Part 2

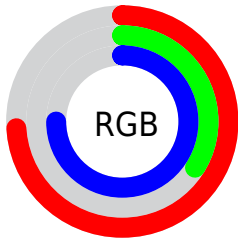
Format	Color
R_{YB}	188, 87, 190
Decimal	12343230
CIE _{Lab}	53.20, 54.70, -36.07
CIE _{LCh}	53, 65.520, 326.602
Yxy	21.2255, 0.3163, 0.2008
Android (android.graphics.Color)	4290533310 (0xFFBC57BE)
YUV	128.9410, 30.1021, 51.7947
Hunter-Lab	46.0711, 48.9151, -33.4409

Details

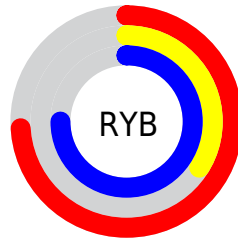
The Yxy color **21.2255, 0.3163, 0.2008** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **39.6387, 0.3059, 0.4999**, and the grayscale version is **21.8200, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.3580, 0.3168, 0.2234**, and **7.6117, 0.3133, 0.1653** is the 20% darker color. If you saturate the color by 10%, you get **18.4956, 0.3166, 0.1830**, and if you desaturate by 10%, it is **24.7670, 0.3159, 0.2218**.

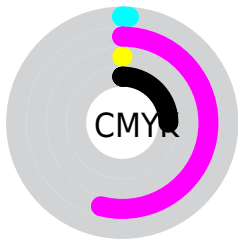
Distribution



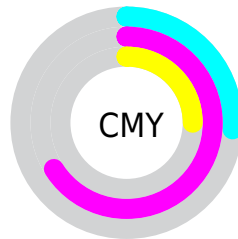
- Red (74%)
- Green (34%)
- Blue (75%)



- Red (74%)
- Yellow (34%)
- Blue (75%)



- Cyan (1%)
- Magenta (54%)
- Yellow (0%)
- Black (25%)





- Cyan (26%)
- Magenta (66%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.2255, 0.3163, 0.2008 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 21.2255, 0.3163, 0.2008 by changing the saturation by 10% instead.


 21.2255, 0.3163,
0.2008


 21.2255, 0.3163,
0.2008

258.4745, 0.3171,
0.2650


 13.2889, 0.3151,
0.1851


 45.4625, 0.3173,
0.2240

 7.6278, 0.3130,
0.1655


 62.5318, 0.3174,
0.2327

 3.8577, 0.3091,
0.1402


 83.4140, 0.3175,
0.2402

 1.5943, 0.3014,
0.1074

 108.4937, 0.3174,
0.2465

 0.3538, 0.2890,
0.0518

138.1552, 0.3174,
0.2521

 0.0000, 0.2454,
0.0000

172.7829, 0.3173,

 0.0000, 0.0000,

0.2569

0.0000

212.7612, 0.3172,
0.2612

■ 21.2255, 0.3163,
0.2008

■ 21.2255, 0.3163,
0.2008

■ 18.4956, 0.3166,
0.1830

■ 24.7670, 0.3159,
0.2218

■ 16.5095, 0.3166,
0.1690

■ 29.1752, 0.3153,
0.2450

■ 15.1931, 0.3165,
0.1592

■ 34.5036, 0.3146,
0.2695

■ 14.4559, 0.3162,
0.1535

■ 40.8007, 0.3139,
0.2944

■ 14.1884, 0.3160,
0.1515

■ 48.1116, 0.3131,
0.3190

■ 56.4784, 0.3122,
0.3426

■ 65.9410, 0.3114,
0.3649

■ 76.5373, 0.3107,
0.3857

■ 86.3565, 0.3101,
0.4019

Harmonies

Analogous

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



21.2255, 0.2146, 0.1704



21.2255, 0.3163, 0.2008



21.2255, 0.4393, 0.2550

Triad

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



21.2255, 0.3163, 0.2008



21.2255, 0.4731, 0.4788



21.2255, 0.1370, 0.2778

Complementary

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



21.2255, 0.3163, 0.2008



39.6387, 0.3059, 0.4999

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.



21.2255, 0.1855, 0.4101



21.2255, 0.3163, 0.2008



21.2255, 0.3786, 0.5434

Square

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



21.2255, 0.3163, 0.2008



21.2255, 0.5330, 0.3982



21.2255, 0.2742, 0.5298



21.2255, 0.1285, 0.1990

Rectangle

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



21.2255, 0.3163, 0.2008



21.2255, 0.5050, 0.2995



21.2255, 0.2742, 0.5298



21.2255, 0.1483, 0.3171

Sweetspot

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



21.2264, 0.3163, 0.2008



71.4350, 0.3140, 0.2893



13.1365, 0.2104, 0.1634



15.1487, 0.3142, 0.2841



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.



21.2264, 0.3163, 0.2008



32.7511, 0.3166, 0.1800



19.7194, 0.3831, 0.2559



9.6865, 0.3135, 0.3064



9.4397, 0.3161, 0.1515



0.3728, 0.3173, 0.1522

Inverse Universe

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



18.4903, 0.4675, 0.3268



27.3189, 0.5226, 0.3268



40.6027, 0.2763, 0.4199



9.5393, 0.3285, 0.3286



7.2861, 0.6376, 0.3286



0.2865, 0.6279, 0.3233

Previews

White Background



This preview shows how the Yxy color 21.2255, 0.3163, 0.2008 looks on a white background.

Color Contrast Check

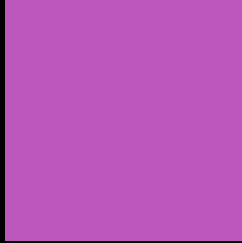
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.2255, 0.3163, 0.2008 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

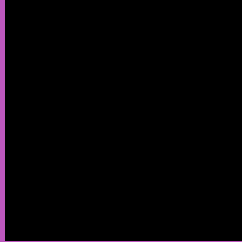
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.2255, 0.3163, 0.2008

Background



This preview shows how black text looks on a background with the Yxy color 21.2255, 0.3163, 0.2008.



This preview shows how white text looks on a background with the Yxy color 21.2255, 0.3163, 0.2008.

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

21.2255, 0.3163, 0.2008

Protanopia

21.5820, 0.2035, 0.1823

Deuteranopia

21.4048, 0.2409, 0.2349



Tritanopia

21.1067, 0.4029, 0.3175

Trichromacy



Original Color

21.2255, 0.3163, 0.2008



Protanomaly

20.1370, 0.2310, 0.1837



Deuteranomaly

20.3678, 0.2632, 0.2161



Tritanomaly

20.8218, 0.3692, 0.2685

Monochromacy



Original Color

21.2255, 0.3163, 0.2008



Achromatopsia

21.9526, 0.3127, 0.3290



Achromatomaly

20.7530, 0.3143, 0.2697

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.2255, 0.3163, 0.2008 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(188, 87, 190)` looks like.

```
.text, #text, p{  
    color:rgb(188, 87, 190)  
}
```

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(188, 87, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 87, 190) }
```

Border

The CSS property to change the border of an element to Yxy 21.2255, 0.3163, 0.2008 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(188, 87, 190) }
```

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

```
.border{ border-color:rgb(188, 87, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 87, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 87, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 87, 190);  
box-shadow:4px 4px 4px 4px rgb(188, 87,  
190) }
```


Background

The CSS property to change the background color of an element to Yxy 21.2255, 0.3163, 0.2008 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 87, 190) }
```

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

```
.background{ background-color: rgb(188, 87,  
190) }
```

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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