

Converting Colors

$Y_{xy}(22.0325, 0.3194, 0.2112)$

Have a look what the booklet for
Yxy(22.0325, 0.3194, 0.2112)
contains.

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Color

Yxy(22.1154, 0.3194, 0.2118)

Conversions

Conversions Part 1

Format	Color
Hex	BB5EBA
RGB	187, 94, 186
RGB Percent	73%, 37%, 73%
CMY	0.2668, 0.6312, 0.2707
CMYK	0.00, 0.50, 0.01, 0.27
HSL	301°, 41%, 55%
HSV	301°, 50%, 73%
XYZ	33.3506, 22.1154, 48.9504
YIQ	132.2950, 25.8960, 48.3280

Conversions

Conversions Part 2

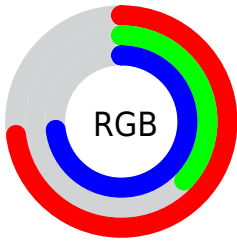
Format	Color
R _Y B	187, 94, 186
Decimal	12279482
CIE Lab	54.15, 50.29, -32.27
CIE LCh	54, 59.755, 327.318
Yxy	22.1154, 0.3194, 0.2118
Android (android.graphics.Color)	4290469562 (0xFFBB5EBA)
YUV	132.2950, 26.4766, 47.9763
Hunter-Lab	47.0270, 44.2913, -28.7961

Details

The Yxy color **22.1154, 0.3194, 0.2118** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **38.7348, 0.3048, 0.4829**, and the grayscale version is **23.0847, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.0031, 0.3198, 0.2339**, and **8.0088, 0.3180, 0.1783** is the 20% darker color. If you saturate the color by 10%, you get **19.1744, 0.3206, 0.1929**, and if you desaturate by 10%, it is **25.8638, 0.3181, 0.2334**.

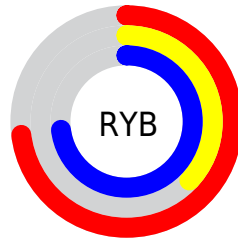
Distribution



Red (73%)

Green (37%)

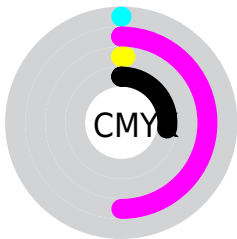
Blue (73%)



Red (73%)

Yellow (37%)

Blue (73%)

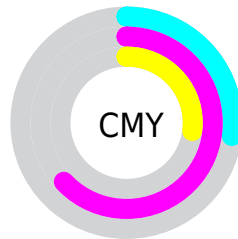


Cyan (0%)

Magenta (50%)

Yellow (1%)

Black (27%)



Cyan (27%)


Magenta (63%)


Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.1154, 0.3194, 0.2118 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 22.1154, 0.3194, 0.2118 by changing the saturation by 10% instead.


 22.1154, 0.3194,
0.2118


 22.1154, 0.3194,
0.2118


263.1483, 0.3180,
0.2710


 13.9417, 0.3190,
0.1972


 46.9367, 0.3194,
0.2333


 8.0801, 0.3179,
0.1786


 64.3530, 0.3193,
0.2414

 4.1463, 0.3156,
0.1544


 85.6191, 0.3191,
0.2482

 1.7557, 0.3104,
0.1224

 111.1192, 0.3189,
0.2541

 0.4593, 0.3010,
0.0705

141.2378, 0.3187,
0.2591

 0.0000, 0.2674,
0.0000

176.3592, 0.3184,

 0.0000, 0.0000,

0.2636

0.0000

216.8680, 0.3182,
0.2675

■ 22.1154, 0.3194,
0.2118

■ 22.1154, 0.3194,
0.2118

■ 19.1744, 0.3206,
0.1929

■ 25.8638, 0.3181,
0.2334

■ 16.9787, 0.3216,
0.1776

■ 30.4697, 0.3167,
0.2569

■ 15.4620, 0.3225,
0.1664

■ 35.9830, 0.3153,
0.2813

■ 14.5450, 0.3231,
0.1593

■ 42.4486, 0.3140,
0.3058

■ 14.0743, 0.3236,
0.1557

■ 49.9085, 0.3127,
0.3297

■ 14.0621, 0.3236,
0.1556

■ 58.4023, 0.3115,
0.3525

■ 67.9674, 0.3103,
0.3740

■ 78.6393, 0.3093,
0.3939

■ 85.7016, 0.3087,
0.4051

Harmonies

Analogous

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



22.1154, 0.2252, 0.1826



22.1154, 0.3194, 0.2118



22.1154, 0.4297, 0.2633

Triad

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



22.1154, 0.3194, 0.2118



22.1154, 0.4612, 0.4720



22.1154, 0.1503, 0.2823

Complementary

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



22.1154, 0.3194, 0.2118



38.7348, 0.3048, 0.4829

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.



22.1154, 0.1961, 0.3990



22.1154, 0.3194, 0.2118



22.1154, 0.3747, 0.5244

Square

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



22.1154, 0.3194, 0.2118



22.1154, 0.5142, 0.3991



22.1154, 0.2781, 0.5051



22.1154, 0.1421, 0.2097

Rectangle

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



22.1154, 0.3194, 0.2118



22.1154, 0.4879, 0.3056



22.1154, 0.2781, 0.5051



22.1154, 0.1611, 0.3174

Sweetspot

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



22.1164, 0.3194, 0.2118



69.4245, 0.3147, 0.2923



13.9797, 0.2190, 0.1740



14.7612, 0.3150, 0.2871



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



22.1164, 0.3194, 0.2118



33.7852, 0.3207, 0.1908



20.4806, 0.3792, 0.2654



9.6945, 0.3139, 0.3066



9.6935, 0.3236, 0.1556



0.3803, 0.3229, 0.1552

Inverse Universe

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



22.1164, 0.3194, 0.2118



33.7852, 0.3207, 0.1908



39.8163, 0.2764, 0.4053



9.6945, 0.3139, 0.3066



9.6935, 0.3236, 0.1556



0.3803, 0.3229, 0.1552

Previews

White Background



This preview shows how the Yxy color 22.1154, 0.3194, 0.2118 looks on a white background.

Color Contrast Check

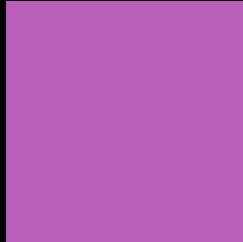
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.1154, 0.3194, 0.2118 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

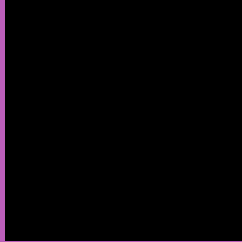
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.1154, 0.3194, 0.2118

Background



This preview shows how black text looks on a background with the Yxy color 22.1154, 0.3194, 0.2118.



This preview shows how white text looks on a background with the Yxy color 22.1154, 0.3194, 0.2118.

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

22.1154, 0.3194, 0.2118

Protanopia

22.4667, 0.2152, 0.1978

Deuteranopia

22.2443, 0.2494, 0.2437



Tritanopia

22.0675, 0.3938, 0.3160

Trichromacy



Original Color

22.1154, 0.3194, 0.2118



Protanomaly

21.2103, 0.2424, 0.1982



Deuteranomaly

21.4436, 0.2713, 0.2281



Tritanomaly

21.8289, 0.3664, 0.2739

Monochromacy



Original Color

22.1154, 0.3194, 0.2118



Achromatopsia

23.0740, 0.3127, 0.3290



Achromatomaly

21.8993, 0.3152, 0.2751

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.1154, 0.3194, 0.2118 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(187, 94, 186)` looks like.

```
.text, #text, p{  
    color:rgb(187, 94, 186)  
}
```

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(187, 94, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 94, 186) }
```

Border

The CSS property to change the border of an element to Yxy 22.1154, 0.3194, 0.2118 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(187, 94, 186) }
```

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

```
.border{ border-color:rgb(187, 94, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 94, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 94, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 94, 186);  
box-shadow:4px 4px 4px 4px rgb(187, 94,  
186) }
```


Background

The CSS property to change the background color of an element to Yxy 22.1154, 0.3194, 0.2118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 94, 186) }
```

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

```
.background{ background-color: rgb(187, 94,  
186) }
```

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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