

Converting Colors

$Y_{xy}(22.2115, 0.3001, 0.2019)$

Have a look what the booklet for
Yxy(22.2115, 0.3001, 0.2019)
contains.

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Color

Yxy(22.2382, 0.3004, 0.2020)

Conversions

Conversions Part 1

Format	Color
Hex	B461C4
RGB	180, 97, 196
RGB Percent	71%, 38%, 77%
CMY	0.2939, 0.6197, 0.2313
CMYK	0.08, 0.51, 0.00, 0.23
HSL	290°, 46%, 57%
HSV	290°, 51%, 77%
XYZ	33.0711, 22.2382, 54.7808
YIQ	133.1030, 17.6890, 48.3850

Conversions

Conversions Part 2

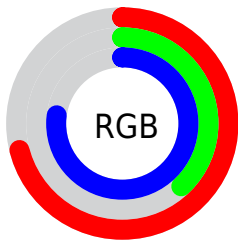
Format	Color
R _Y B	180, 97, 196
Decimal	11821508
CIE Lab	54.28, 48.75, -37.90
CIE LCh	54, 61.747, 322.137
Yxy	22.2382, 0.3004, 0.2020
Android (android.graphics.Color)	4290011588 (0xFFB461C4)
YUV	133.1030, 31.0082, 41.1287
Hunter-Lab	47.1574, 42.6550, -35.8646

Details

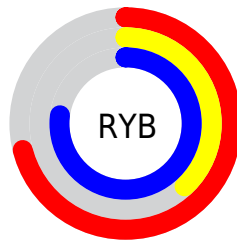
The Yxy color **22.2382, 0.3004, 0.2020** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **43.8535, 0.3160, 0.4829**, and the grayscale version is **23.3740, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.0817, 0.3048, 0.2246**, and **8.1897, 0.2921, 0.1675** is the 20% darker color. If you saturate the color by 10%, you get **18.6801, 0.2967, 0.1802**, and if you desaturate by 10%, it is **26.7016, 0.3037, 0.2262**.

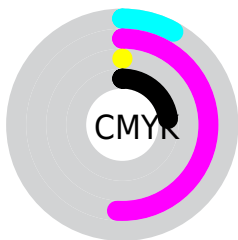
Distribution



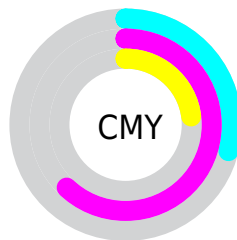
- Red (71%)
- Green (38%)
- Blue (77%)



- Red (71%)
- Yellow (38%)
- Blue (77%)



- Cyan (8%)
- Magenta (51%)
- Yellow (0%)
- Black (23%)




- Cyan (29%)
- Magenta (62%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.2382, 0.3004, 0.2020 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 22.2382, 0.3004, 0.2020 by changing the saturation by 10% instead.


 22.2382, 0.3004,
0.2020


 22.2382, 0.3004,
0.2020


263.7877, 0.3096,
0.2654


 14.0320, 0.2971,
0.1866


 47.1394, 0.3045,
0.2248

 8.1429, 0.2922,
0.1672

 64.6032, 0.3058,
0.2335

 4.1866, 0.2845,
0.1425


 85.9216, 0.3068,
0.2408

 1.7785, 0.2718,
0.1104

 111.4791, 0.3076,
0.2472

 0.4737, 0.2506,
0.0619

141.6601, 0.3082,
0.2526

 0.0000, 0.2007,
0.0000

176.8489, 0.3088,

 0.0000, 0.0000,

0.2574

0.0000

217.4300, 0.3092,
0.2617

■ 22.2382, 0.3004,
0.2020

■ 22.2382, 0.3004,
0.2020

■ 18.6801, 0.2967,
0.1802

■ 26.7016, 0.3037,
0.2262

■ 15.9571, 0.2927,
0.1618

■ 32.1277, 0.3066,
0.2517

■ 13.9936, 0.2885,
0.1475

■ 38.5726, 0.3090,
0.2777

■ 12.6987, 0.2843,
0.1377

■ 46.0872, 0.3110,
0.3032

■ 11.9246, 0.2803,
0.1318

■ 54.7191, 0.3126,
0.3277

■ 64.5128, 0.3139,
0.3509

■ 75.5106, 0.3148,
0.3724

■ 87.7525, 0.3155,
0.3921

■ 88.9852, 0.3173,
0.3929

Harmonies

Analogous

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



22.2382, 0.2097, 0.1767



22.2382, 0.3004, 0.2020



22.2382, 0.4143, 0.2511

Triad

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



22.2382, 0.3004, 0.2020



22.2382, 0.4769, 0.4620



22.2382, 0.1514, 0.2984

Complementary

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



22.2382, 0.3004, 0.2020



43.8535, 0.3160, 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.



22.2382, 0.2047, 0.4238



22.2382, 0.3004, 0.2020



22.2382, 0.3919, 0.5241

Square

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



22.2382, 0.3004, 0.2020



22.2382, 0.5234, 0.3867



22.2382, 0.2932, 0.5222



22.2382, 0.1372, 0.2156

Rectangle

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



22.2382, 0.3004, 0.2020



22.2382, 0.4801, 0.2929



22.2382, 0.2932, 0.5222



22.2382, 0.1645, 0.3372

Sweetspot

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



22.2392, 0.3004, 0.2020



76.8268, 0.3102, 0.2913



18.4420, 0.2218, 0.1962



15.8275, 0.3097, 0.2858



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.



22.2392, 0.3004, 0.2020



33.0420, 0.2961, 0.1774



22.9249, 0.3585, 0.2442



10.1627, 0.3113, 0.3061



7.6924, 0.2809, 0.1321



0.3548, 0.2904, 0.1373

Inverse Universe

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



21.4712, 0.4310, 0.3083



31.7374, 0.4755, 0.3054



43.6361, 0.2860, 0.4348



10.1038, 0.3264, 0.3253



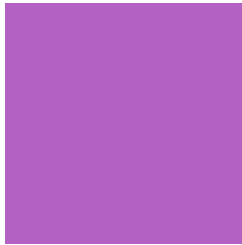
7.6148, 0.6150, 0.3161



0.3375, 0.5592, 0.2854

Previews

White Background



This preview shows how the Yxy color 22.2382, 0.3004, 0.2020 looks on a white background.

Color Contrast Check

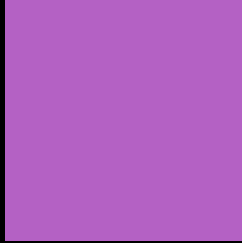
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.2382, 0.3004, 0.2020 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

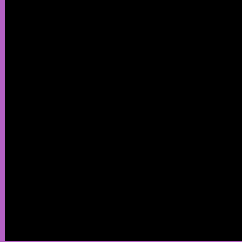
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.2382, 0.3004, 0.2020

Background



This preview shows how black text looks on a background with the Yxy color 22.2382, 0.3004, 0.2020.

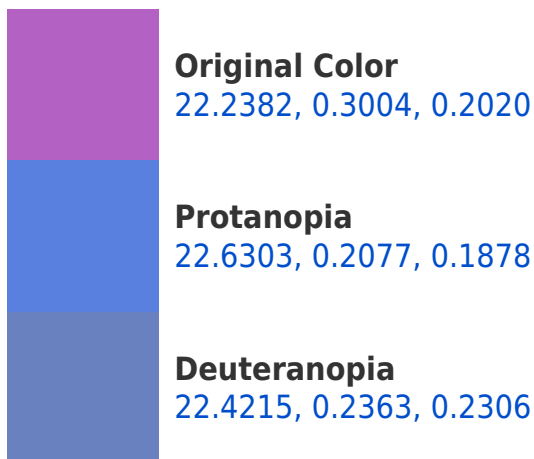


This preview shows how white text looks on a background with the Yxy color 22.2382, 0.3004, 0.2020.

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





Tritanopia

22.2376, 0.3746, 0.3169

Trichromacy



Original Color

22.2382, 0.3004, 0.2020



Protanomaly

21.4325, 0.2317, 0.1890



Deuteranomaly

21.4339, 0.2552, 0.2154



Tritanomaly

21.9258, 0.3461, 0.2679

Monochromacy



Original Color

22.2382, 0.3004, 0.2020



Achromatopsia

23.4551, 0.3127, 0.3290



Achromatomaly

22.3173, 0.3083, 0.2720

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.2382, 0.3004, 0.2020 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(180, 97, 196)` looks like.

```
.text, #text, p{  
    color:rgb(180, 97, 196)  
}
```

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(180, 97, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 97, 196) }
```

Border

The CSS property to change the border of an element to Yxy 22.2382, 0.3004, 0.2020 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(180, 97, 196) }
```

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

```
.border{ border-color:rgb(180, 97, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 97, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 97, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 97, 196);  
box-shadow:4px 4px 4px 4px rgb(180, 97,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 22.2382, 0.3004, 0.2020 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 97, 196) }
```

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

```
.background{ background-color: rgb(180, 97,  
196) }
```

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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