

Converting Colors

$Y_{xy}(19.5515, 0.3372, 0.2222)$

Have a look what the booklet for
Yxy(19.5515, 0.3372, 0.2222)
contains.

Yxy(19.5515, 0.3372, 0.2222)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(19.5515, 0.3372, 0.2222)

Conversions

Conversions Part 1

Format	Color
Hex	B657A7
RGB	182, 87, 167
RGB Percent	71%, 34%, 65%
CMY	0.2864, 0.6587, 0.3451
CMYK	0.00, 0.52, 0.08, 0.29
HSL	309°, 39%, 53%
HSV	309°, 52%, 71%
XYZ	29.6704, 19.5515, 38.7686
YIQ	124.5250, 30.9400, 45.0200

Conversions

Conversions Part 2

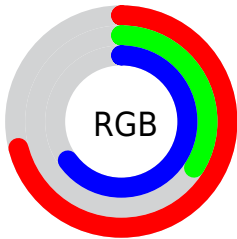
Format	Color
R_{YB}	182, 87, 167
Decimal	11949991
CIE _{Lab}	51.33, 48.98, -25.67
CIE _{LCh}	51, 55.303, 332.338
Yxy	19.5515, 0.3372, 0.2222
Android (android.graphics.Color)	4290140071 (0xFFB657A7)
YUV	124.5250, 20.9402, 50.4056
Hunter-Lab	44.2171, 42.3967, -21.0323

Details

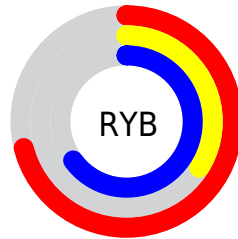
The Yxy color **19.5515, 0.3372, 0.2222** is a dark color, and the websafe version is hex **CC66CC**. A complement of this color would be **36.4332, 0.2960, 0.4678**, and the grayscale version is **20.2633, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.5554, 0.3337, 0.2428**, and **6.8375, 0.3431, 0.1893** is the 20% darker color. If you saturate the color by 10%, you get **16.8621, 0.3432, 0.2058**, and if you desaturate by 10%, it is **22.9878, 0.3315, 0.2411**.

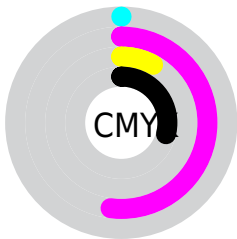
Distribution



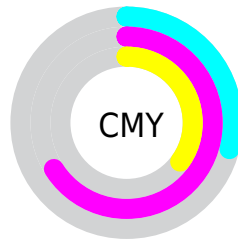
- Red (71%)
- Green (34%)
- Blue (65%)



- Red (71%)
- Yellow (34%)
- Blue (65%)



- Cyan (0%)
- Magenta (52%)
- Yellow (8%)
- Black (29%)





- Cyan (29%)
- Magenta (66%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.5515, 0.3372, 0.2222 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 19.5515, 0.3372, 0.2222 by changing the saturation by 10% instead.


 19.5515, 0.3372,
0.2222


 19.5515, 0.3372,
0.2222


249.4767, 0.3255,
0.2778


 12.0695, 0.3398,
0.2078


 42.6639, 0.3331,
0.2428

 6.7910, 0.3429,
0.1892

 59.0631, 0.3315,
0.2505

 3.3317, 0.3464,
0.1642


 79.2035, 0.3302,
0.2569

 1.3073, 0.3498,
0.1297

 103.4694, 0.3290,
0.2623

 0.1468, 0.3671,
0.0375

132.2453, 0.3279,
0.2670

 0.0000, 0.2741,
0.0000

165.9156, 0.3270,

 0.0000, 0.0000,

0.2711

0.0000

204.8645, 0.3262,
0.2746

■ 19.5515, 0.3372,
0.2222

■ 19.5515, 0.3372,
0.2222

■ 16.8621, 0.3432,
0.2058

■ 22.9878, 0.3315,
0.2411

■ 14.8599, 0.3492,
0.1928

■ 27.2193, 0.3263,
0.2617

■ 13.4806, 0.3552,
0.1840

■ 32.2935, 0.3215,
0.2829

■ 12.6466, 0.3609,
0.1797

■ 38.2531, 0.3172,
0.3040

■ 12.2512, 0.3652,
0.1786

■ 45.1383, 0.3135,
0.3246

■ 52.9867, 0.3102,
0.3443

■ 61.8335, 0.3074,
0.3627

■ 71.7127, 0.3051,
0.3798

■ 82.6561, 0.3031,
0.3956

Harmonies

Analogous

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



19.5515, 0.2411, 0.1895



19.5515, 0.3372, 0.2222



19.5515, 0.4417, 0.2755

Triad

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



19.5515, 0.3372, 0.2222



19.5515, 0.4453, 0.4796



19.5515, 0.1512, 0.2693

Complementary

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



19.5515, 0.3372, 0.2222



36.4332, 0.2960, 0.4678

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.



19.5515, 0.1898, 0.3762



19.5515, 0.3372, 0.2222



19.5515, 0.3584, 0.5207

Square

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



19.5515, 0.3372, 0.2222



19.5515, 0.5032, 0.4105



19.5515, 0.2649, 0.4854



19.5515, 0.1484, 0.2062

Rectangle

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



19.5515, 0.3372, 0.2222



19.5515, 0.4919, 0.3180



19.5515, 0.2649, 0.4854



19.5515, 0.1598, 0.3007

Sweetspot

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



19.5524, 0.3372, 0.2222



64.7509, 0.3189, 0.2954



12.9786, 0.2267, 0.1706



13.8132, 0.3198, 0.2911



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



19.5524, 0.3372, 0.2222



29.8019, 0.3443, 0.2031



18.1247, 0.4066, 0.2823



9.1377, 0.3161, 0.3100



8.6622, 0.3646, 0.1782



0.3120, 0.3517, 0.1711

Inverse Universe

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



19.5524, 0.3372, 0.2222



29.8019, 0.3443, 0.2031



37.6356, 0.2662, 0.3844



9.1377, 0.3161, 0.3100



8.6622, 0.3646, 0.1782



0.3120, 0.3517, 0.1711

Previews

White Background



This preview shows how the Yxy color 19.5515, 0.3372, 0.2222 looks on a white background.

Color Contrast Check

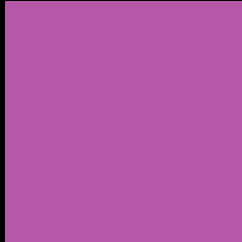
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.5515, 0.3372, 0.2222 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

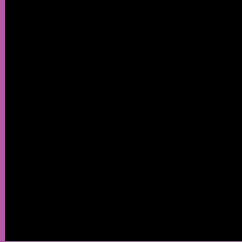
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.5515, 0.3372, 0.2222

Background



This preview shows how black text looks on a background with the Yxy color 19.5515, 0.3372, 0.2222.



This preview shows how white text looks on a background with the Yxy color 19.5515, 0.3372, 0.2222.

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

19.5515, 0.3372, 0.2222

Protanopia

19.7609, 0.2237, 0.2087

Deuteranopia

19.8254, 0.2641, 0.2591



Tritanopia

19.5040, 0.4093, 0.3188

Trichromacy



Original Color

19.5515, 0.3372, 0.2222

Protanomaly

18.6978, 0.2552, 0.2096

Deuteranomaly

19.0706, 0.2879, 0.2416

Tritanomaly

19.4157, 0.3839, 0.2812

Monochromacy



Original Color

19.5515, 0.3372, 0.2222

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

19.3733, 0.3227, 0.2807

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.5515, 0.3372, 0.2222 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(182, 87, 167)` looks like.

```
.text, #text, p{  
    color:rgb(182, 87, 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(182, 87, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 87, 167) }
```

Border

The CSS property to change the border of an element to Yxy 19.5515, 0.3372, 0.2222 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(182, 87, 167) }
```

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

```
.border{ border-color:rgb(182, 87, 167) }
```

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

Here you see how a box with a 4 pixel rgb(182, 87, 167) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 87, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 87, 167);  
box-shadow:4px 4px 4px 4px rgb(182, 87,  
167) }
```


Background

The CSS property to change the background color of an element to Yxy 19.5515, 0.3372, 0.2222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 87, 167) }
```

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

```
.background{ background-color: rgb(182, 87,  
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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