

Converting Colors

$Y_{xy}(20.2310, 0.3255, 0.2421)$

Have a look what the booklet for
Yxy(20.2310, 0.3255, 0.2421)
contains.

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Color

Yxy(20.2054, 0.3257, 0.2416)

Conversions

Conversions Part 1

Format	Color
Hex	A865A1
RGB	168, 101, 161
RGB Percent	66%, 40%, 63%
CMY	0.3411, 0.6040, 0.3686
CMYK	0.00, 0.40, 0.04, 0.34
HSL	306°, 28%, 53%
HSV	306°, 40%, 66%
XYZ	27.2388, 20.2054, 36.1874
YIQ	127.8730, 20.6720, 32.8640

Conversions

Conversions Part 2

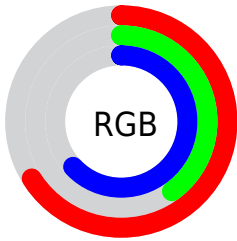
Format	Color
R _Y B	168, 101, 161
Decimal	11036065
CIE Lab	52.07, 36.25, -21.18
CIE LCh	52, 41.983, 329.708
Yxy	20.2054, 0.3257, 0.2416
Android (android.graphics.Color)	4289226145 (0xFFA865A1)
YUV	127.8730, 16.3316, 35.1914
Hunter-Lab	44.9504, 29.5033, -16.2662

Details

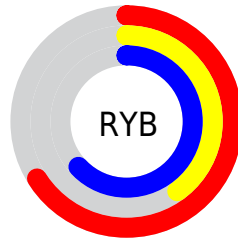
The Yxy color $20.2054, 0.3257, 0.2416$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $31.8614, 0.3020, 0.4358$, and the grayscale version is $21.4776, 0.3127, 0.3290$.

A 20% lighter version of the original color is $43.5876, 0.3234, 0.2585$, and $7.0492, 0.3279, 0.2124$ is the 20% darker color. If you saturate the color by 10%, you get $17.2091, 0.3296, 0.2214$, and if you desaturate by 10%, it is $23.8713, 0.3220, 0.2633$.

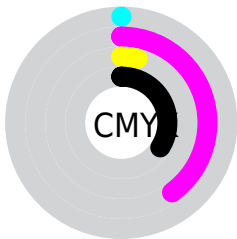
Distribution



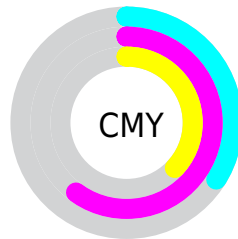
- Red (66%)
- Green (40%)
- Blue (63%)



- Red (66%)
- Yellow (40%)
- Blue (63%)



- Cyan (0%)
- Magenta (40%)
- Yellow (4%)
- Black (34%)





- Cyan (34%)
- Magenta (60%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.2054, 0.3257, 0.2416 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 20.2054, 0.3257, 0.2416 by changing the saturation by 10% instead.


 20.2054, 0.3257,
0.2416

 20.2054, 0.3257,
0.2416


253.0249, 0.3197,
0.2879


 12.5444, 0.3269,
0.2292


 43.7613, 0.3237,
0.2590


 7.1156, 0.3283,
0.2129


 60.4250, 0.3229,
0.2654

 3.5345, 0.3295,
0.1905


 80.8584, 0.3222,
0.2707

 1.4167, 0.3301,
0.1582

 105.4459, 0.3216,
0.2752

 0.2290, 0.3416,
0.0692

134.5719, 0.3210,
0.2791

 0.0000, 0.0877,
0.0000

168.6208, 0.3205,

 0.0000, 0.0000,

0.2824

0.0000

207.9770, 0.3201,
0.2853

■ 20.2054, 0.3257,
0.2416

■ 20.2054, 0.3257,
0.2416

■ 17.2091, 0.3296,
0.2214

■ 23.8713, 0.3220,
0.2633

■ 14.8389, 0.3337,
0.2037

■ 28.2416, 0.3186,
0.2855

■ 13.0501, 0.3378,
0.1892


■ 33.3519, 0.3155,
0.3077

■ 11.7913, 0.3417,
0.1787

■ 39.2345, 0.3127,
0.3292

■ 11.0017, 0.3454,
0.1724

■ 45.9200, 0.3103,
0.3497


 10.5481, 0.3489,
0.1696

 53.4372, 0.3081,
0.3690

 10.5435, 0.3489,
0.1696

 61.8134, 0.3063,
0.3868

 71.0748, 0.3048,
0.4032

 81.2465, 0.3034,
0.4182

Harmonies

Analogous

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



20.2054, 0.2527, 0.2165



20.2054, 0.3257, 0.2416



20.2054, 0.4039, 0.2845

Triad

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



20.2054, 0.3257, 0.2416



20.2054, 0.4250, 0.4462



20.2054, 0.1869, 0.2928

Complementary

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



20.2054, 0.3257, 0.2416



31.8614, 0.3020, 0.4358

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.



20.2054, 0.2231, 0.3730



20.2054, 0.3257, 0.2416



20.2054, 0.3598, 0.4720

Square

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



20.2054, 0.3257, 0.2416



20.2054, 0.4629, 0.3951



20.2054, 0.2858, 0.4466



20.2054, 0.1807, 0.2381

Rectangle

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



20.2054, 0.3257, 0.2416



20.2054, 0.4438, 0.3196



20.2054, 0.2858, 0.4466



20.2054, 0.1956, 0.3176

Sweetspot

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



20.2063, 0.3257, 0.2416



58.2258, 0.3161, 0.3026



15.3026, 0.2474, 0.2118



12.4349, 0.3165, 0.2999



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



20.2063, 0.3257, 0.2416



31.7179, 0.3292, 0.2234



19.1860, 0.3705, 0.2879



7.6529, 0.3153, 0.3090



7.9645, 0.3486, 0.1694



0.1975, 0.3384, 0.1638

Inverse Universe

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



20.2063, 0.3257, 0.2416



31.7179, 0.3292, 0.2234



32.7080, 0.2774, 0.3750



7.6529, 0.3153, 0.3090



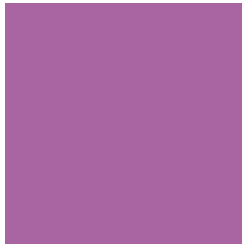
7.9645, 0.3486, 0.1694



0.1975, 0.3384, 0.1638

Previews

White Background



This preview shows how the Yxy color 20.2054, 0.3257, 0.2416 looks on a white background.

Color Contrast Check

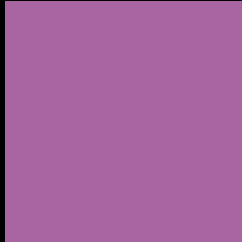
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.2054, 0.3257, 0.2416 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

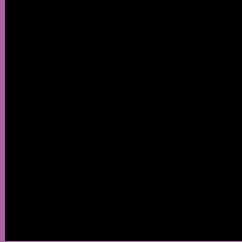
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.2054, 0.3257, 0.2416

Background



This preview shows how black text looks on a background with the Yxy color 20.2054, 0.3257, 0.2416.



This preview shows how white text looks on a background with the Yxy color 20.2054, 0.3257, 0.2416.

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

20.2054, 0.3257, 0.2416

Protanopia

20.5061, 0.2445, 0.2367

Deuteranopia

20.3465, 0.2740, 0.2682



Tritanopia

20.2464, 0.3743, 0.3164

Trichromacy



Original Color

20.2054, 0.3257, 0.2416

Protanomaly

19.9072, 0.2687, 0.2364

Deuteranomaly

19.8216, 0.2911, 0.2564

Tritanomaly

20.2360, 0.3560, 0.2872

Monochromacy



Original Color

20.2054, 0.3257, 0.2416

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

20.6900, 0.3182, 0.2920

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.2054, 0.3257, 0.2416 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(168, 101, 161)` looks like.

```
.text, #text, p{  
    color:rgb(168, 101, 161)  
}
```

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(168, 101, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 101, 161) }
```

Border

The CSS property to change the border of an element to Yxy 20.2054, 0.3257, 0.2416 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(168, 101, 161) }
```

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

```
.border{ border-color:rgb(168, 101, 161) }
```

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

Here you see how a box with a 4 pixel rgb(168, 101, 161) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 101, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 101, 161);  
box-shadow:4px 4px 4px 4px rgb(168, 101,  
161) }
```


Background

The CSS property to change the background color of an element to Yxy 20.2054, 0.3257, 0.2416 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 101, 161) }
```

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

```
.background{ background-color: rgb(168,  
101, 161) }
```

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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