

Converting Colors

$Y_{xy}(20.2119, 0.3259, 0.2438)$

Have a look what the booklet for
Yxy(20.2119, 0.3259, 0.2438)
contains.

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Color

Yxy(20.2563, 0.3256, 0.2440)

Conversions

Conversions Part 1

Format	Color
Hex	A766A0
RGB	167, 102, 160
RGB Percent	65%, 40%, 63%
CMY	0.3451, 0.6000, 0.3727
CMYK	0.00, 0.39, 0.04, 0.35
HSL	306°, 27%, 53%
HSV	306°, 39%, 65%
XYZ	27.0305, 20.2563, 35.7308
YIQ	128.0470, 20.1220, 31.8180

Conversions

Conversions Part 2

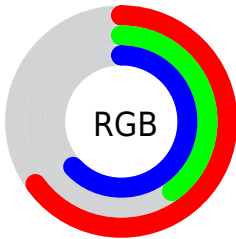
Format	Color
R_{YB}	167, 102, 160
Decimal	10970784
CIE _{Lab}	52.13, 35.16, -20.49
CIE _{LCh}	52, 40.698, 329.766
Yxy	20.2563, 0.3256, 0.2440
Android (android.graphics.Color)	4289160864 (0xFFA766A0)
YUV	128.0470, 15.7528, 34.1618
Hunter-Lab	45.0070, 28.4422, -15.5651

Details

The Yxy color **20.2563, 0.3256, 0.2440** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **31.5669, 0.3021, 0.4322**, and the grayscale version is **21.5433, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.7055, 0.3233, 0.2604**, and **7.2063, 0.3296, 0.2175** is the 20% darker color. If you saturate the color by 10%, you get **17.2357, 0.3296, 0.2237**, and if you desaturate by 10%, it is **23.9408, 0.3218, 0.2657**.

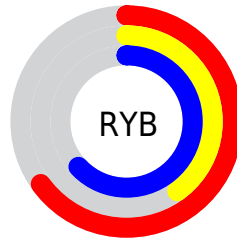
Distribution



Red (65%)

Green (40%)

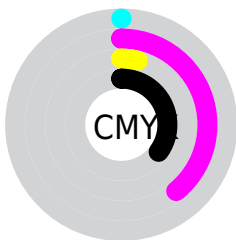
Blue (63%)



Red (65%)

Yellow (40%)

Blue (63%)

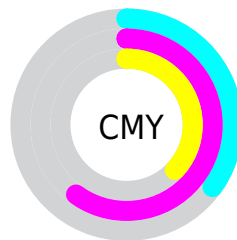


Cyan (0%)

Magenta (39%)

Yellow (4%)

Black (35%)



Cyan (35%)


Magenta (60%)

Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.2563, 0.3256, 0.2440 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 20.2563, 0.3256, 0.2440 by changing the saturation by 10% instead.


 20.2563, 0.3256,
0.2440


 20.2563, 0.3256,
0.2440


253.2993, 0.3196,
0.2891


 12.5815, 0.3269,
0.2319


 43.8465, 0.3236,
0.2610


 7.1410, 0.3283,
0.2159


 60.5306, 0.3228,
0.2672

 3.5504, 0.3297,
0.1939


 80.9867, 0.3220,
0.2724

 1.4254, 0.3304,
0.1619

 105.5990, 0.3214,
0.2768

 0.2353, 0.3427,
0.0729

134.7521, 0.3209,
0.2805

 0.0000, 0.0581,
0.0000

168.8302, 0.3204,

 0.0000, 0.0000,

0.2838

0.0000

208.2178, 0.3200,
0.2866

■ 20.2563, 0.3256,
0.2440

■ 20.2563, 0.3256,
0.2440

■ 17.2357, 0.3296,
0.2237

■ 23.9408, 0.3218,
0.2657

■ 14.8364, 0.3338,
0.2057

■ 28.3232, 0.3183,
0.2879

■ 13.0151, 0.3380,
0.1909


■ 33.4382, 0.3152,
0.3099


■ 11.7216, 0.3421,
0.1800


■ 39.3176, 0.3124,
0.3313

■ 10.8974, 0.3459,
0.1734

■ 45.9912, 0.3100,
0.3516


 10.4291, 0.3495,
0.1704

 53.4873, 0.3079,
0.3706

 10.3836, 0.3499,
0.1701

 61.8327, 0.3060,
0.3882

 71.0532, 0.3045,
0.4044

 81.1732, 0.3032,
0.4192

Harmonies

Analogous

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



20.2563, 0.2547, 0.2194



20.2563, 0.3256, 0.2440



20.2563, 0.4013, 0.2860

Triad

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



20.2563, 0.3256, 0.2440



20.2563, 0.4220, 0.4433



20.2563, 0.1903, 0.2941

Complementary

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



20.2563, 0.3256, 0.2440



31.5669, 0.3021, 0.4322

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.



20.2563, 0.2257, 0.3715



20.2563, 0.3256, 0.2440



20.2563, 0.3587, 0.4674

Square

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



20.2563, 0.3256, 0.2440



20.2563, 0.4585, 0.3940



20.2563, 0.2867, 0.4423



20.2563, 0.1842, 0.2408

Rectangle

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



20.2563, 0.3256, 0.2440



20.2563, 0.4398, 0.3203



20.2563, 0.2867, 0.4423



20.2563, 0.1988, 0.3182

Sweetspot

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



20.2572, 0.3256, 0.2440



56.7136, 0.3162, 0.3027



15.5149, 0.2493, 0.2152



12.4338, 0.3166, 0.3000



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.



20.2572, 0.3256, 0.2440



31.3906, 0.3292, 0.2258



19.2787, 0.3685, 0.2890



7.6524, 0.3153, 0.3091



7.9502, 0.3496, 0.1700



0.1973, 0.3390, 0.1641

Inverse Universe

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



20.2572, 0.3256, 0.2440



31.3906, 0.3292, 0.2258



32.3852, 0.2781, 0.3736



7.6524, 0.3153, 0.3091



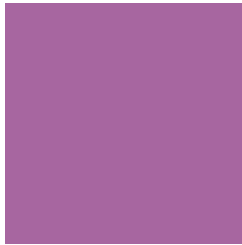
7.9502, 0.3496, 0.1700



0.1973, 0.3390, 0.1641

Previews

White Background



This preview shows how the Yxy color 20.2563, 0.3256, 0.2440 looks on a white background.

Color Contrast Check

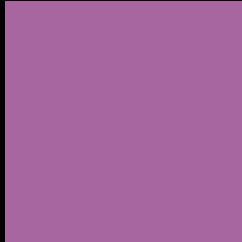
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.2563, 0.3256, 0.2440 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

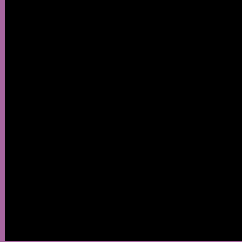
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.2563, 0.3256, 0.2440

Background



This preview shows how black text looks on a background with the Yxy color 20.2563, 0.3256, 0.2440.



This preview shows how white text looks on a background with the Yxy color 20.2563, 0.3256, 0.2440.

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

20.2563, 0.3256, 0.2440

Protanopia

20.4887, 0.2468, 0.2396

Deuteranopia

20.3843, 0.2760, 0.2699



Tritanopia

20.1652, 0.3716, 0.3148

Trichromacy



Original Color

20.2563, 0.3256, 0.2440

Protanomaly

19.8309, 0.2705, 0.2391

Deuteranomaly

20.0991, 0.2933, 0.2598

Tritanomaly

20.1291, 0.3546, 0.2870

Monochromacy



Original Color

20.2563, 0.3256, 0.2440

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

20.8379, 0.3168, 0.2936

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.2563, 0.3256, 0.2440 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(167, 102, 160)` looks like.

```
.text, #text, p{  
    color:rgb(167, 102, 160)  
}
```

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(167, 102, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 102, 160) }
```

Border

The CSS property to change the border of an element to Yxy 20.2563, 0.3256, 0.2440 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(167, 102, 160) }
```

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

```
.border{ border-color:rgb(167, 102, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 102, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 102, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 102, 160);  
box-shadow:4px 4px 4px 4px rgb(167, 102,  
160) }
```


Background

The CSS property to change the background color of an element to Yxy 20.2563, 0.3256, 0.2440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 102, 160) }
```

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

```
.background{ background-color: rgb(167,  
102, 160) }
```

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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