

Converting Colors

$Y_{xy}(16.2065, 0.3656, 0.2759)$

Have a look what the booklet for
Yxy(16.2065, 0.3656, 0.2759)
contains.

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Color

Yxy(16.2065, 0.3656, 0.2759)

Conversions

Conversions Part 1

Format	Color
Hex	9E5B7C
RGB	158, 91, 124
RGB Percent	62%, 36%, 49%
CMY	0.3805, 0.6431, 0.5138
CMYK	0.00, 0.42, 0.22, 0.38
HSL	330°, 27%, 49%
HSV	330°, 42%, 62%
XYZ	21.4755, 16.2065, 21.0585
YIQ	114.7950, 29.3390, 24.4670

Conversions

Conversions Part 2

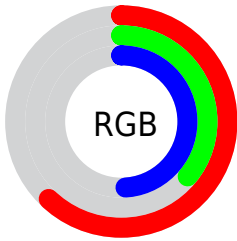
Format	Color
R_{YB}	158, 91, 124
Decimal	10378108
CIE Lab	47.24, 31.93, -6.62
CIE LCh	47, 32.610, 348.289
Yxy	16.2065, 0.3656, 0.2759
Android (android.graphics.Color)	4288568188 (0xFF9E5B7C)
YUV	114.7950, 4.5381, 37.8908
Hunter-Lab	40.2573, 24.7717, -2.8343

Details

The Yxy color **16.2065, 0.3656, 0.2759** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **28.1527, 0.2805, 0.3901**, and the grayscale version is **17.0592, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.1154, 0.3527, 0.2878**, and **5.1672, 0.3898, 0.2542** is the 20% darker color. If you saturate the color by 10%, you get **13.5893, 0.3843, 0.2641**, and if you desaturate by 10%, it is **19.4104, 0.3494, 0.2886**.

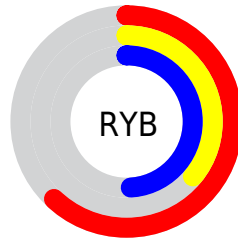
Distribution



Red (62%)

Green (36%)

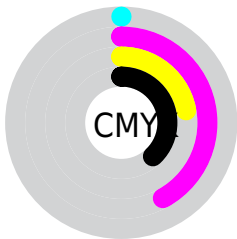
Blue (49%)



Red (62%)

Yellow (36%)

Blue (49%)

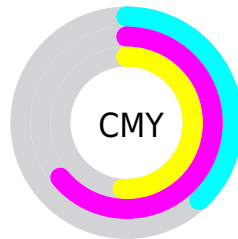


Cyan (0%)

Magenta (42%)

Yellow (22%)

Black (38%)



Cyan (38%)


Magenta (64%)


Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.2065, 0.3656, 0.2759 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 16.2065, 0.3656, 0.2759 by changing the saturation by 10% instead.


 16.2065, 0.3656,
0.2759


 16.2065, 0.3656,
0.2759


230.5572, 0.3351,
0.3060


 9.6704, 0.3750,
0.2669


 36.9563, 0.3533,
0.2879


 5.1810, 0.3884,
0.2543


 51.9388, 0.3491,
0.2920

 2.3538, 0.4090,
0.2353

 70.5056, 0.3457,
0.2954

 0.8020, 0.4449,
0.2035

 93.0410, 0.3428,
0.2983

 0.0000, 0.7894,
0.0000

119.9295, 0.3404,
0.3006

 0.0000, 0.0000,
0.0000

151.5554, 0.3384,

0.3027

188.3032, 0.3366,
0.3045

■ 16.2065, 0.3656,
0.2759

■ 16.2065, 0.3656,
0.2759

■ 13.5893, 0.3843,
0.2641

■ 19.4104, 0.3494,
0.2886

■ 11.5200, 0.4056,
0.2541

■ 23.2318, 0.3358,
0.3016

■ 9.9591, 0.4289,
0.2472


■ 27.7023, 0.3243,
0.3142

■ 8.8602, 0.4535,
0.2445


■ 32.8505, 0.3147,
0.3262

■ 8.1687, 0.4781,
0.2468


■ 38.7034, 0.3068,
0.3375

 7.8136, 0.4967,
0.2510

 45.2863, 0.3003,
0.3480

 52.6234, 0.2948,
0.3577

 60.7379, 0.2903,
0.3666

 69.6518, 0.2866,
0.3747

Harmonies

Analogous

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



16.2065, 0.2993, 0.2436



16.2065, 0.3656, 0.2759



16.2065, 0.4203, 0.3202

Triad

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



16.2065, 0.3656, 0.2759



16.2065, 0.3771, 0.4450



16.2065, 0.1985, 0.2678

Complementary

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



16.2065, 0.3656, 0.2759



28.1527, 0.2805, 0.3901

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.



16.2065, 0.2144, 0.3239



16.2065, 0.3656, 0.2759



16.2065, 0.3152, 0.4391

Square

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



16.2065, 0.3656, 0.2759



16.2065, 0.4244, 0.4155



16.2065, 0.2559, 0.3912



16.2065, 0.2084, 0.2361

Rectangle

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



16.2065, 0.3656, 0.2759



16.2065, 0.4392, 0.3530



16.2065, 0.2559, 0.3912



16.2065, 0.2009, 0.2841

Sweetspot

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



16.2073, 0.3656, 0.2759



49.5681, 0.3252, 0.3131



14.2759, 0.2743, 0.2140



10.7719, 0.3275, 0.3105



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



16.2073, 0.3656, 0.2759



24.8508, 0.3836, 0.2645



15.5082, 0.4189, 0.3293



6.6978, 0.3211, 0.3180



6.2677, 0.4948, 0.2500



0.1206, 0.4118, 0.2042

Inverse Universe

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



16.2073, 0.3656, 0.2759



24.8508, 0.3836, 0.2645



29.1394, 0.2563, 0.3288



6.6978, 0.3211, 0.3180



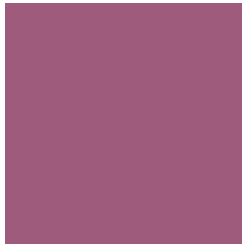
6.2677, 0.4948, 0.2500



0.1206, 0.4118, 0.2042

Previews

White Background



This preview shows how the Yxy color 16.2065, 0.3656, 0.2759 looks on a white background.

Color Contrast Check

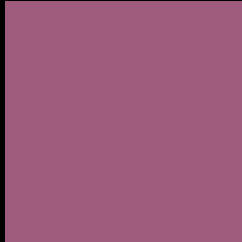
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 16.2065, 0.3656, 0.2759 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

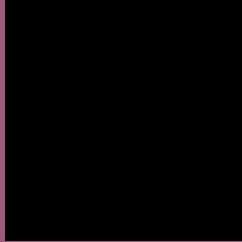
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 16.2065, 0.3656, 0.2759

Background



This preview shows how black text looks on a background with the Yxy color 16.2065, 0.3656, 0.2759.



This preview shows how white text looks on a background with the Yxy color 16.2065, 0.3656, 0.2759.

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

16.2065, 0.3656, 0.2759

Protanopia

16.3008, 0.2779, 0.2786

Deuteranopia

16.3108, 0.3125, 0.3058



Tritanopia

16.2116, 0.3957, 0.3176

Trichromacy



Original Color

16.2065, 0.3656, 0.2759

Protanomaly

16.0022, 0.3071, 0.2773

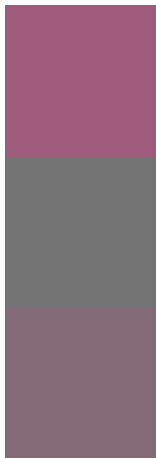
Deuteranomaly

15.9762, 0.3313, 0.2925

Tritanomaly

16.2993, 0.3850, 0.3028

Monochromacy



Original Color

16.2065, 0.3656, 0.2759

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

16.4414, 0.3318, 0.3067

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.2065, 0.3656, 0.2759 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(158, 91, 124)` looks like.

```
.text, #text, p{  
    color:rgb(158, 91, 124)  
}
```

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(158, 91, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 91, 124) }
```

Border

The CSS property to change the border of an element to Yxy 16.2065, 0.3656, 0.2759 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(158, 91, 124) }
```

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

```
.border{ border-color:rgb(158, 91, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 91, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 91, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 91, 124);  
box-shadow:4px 4px 4px 4px rgb(158, 91,  
124) }
```


Background

The CSS property to change the background color of an element to Yxy 16.2065, 0.3656, 0.2759 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 91, 124) }
```

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

```
.background{ background-color: rgb(158, 91,  
124) }
```

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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