

Converting Colors

$Y_{xy}(16.3111, 0.3212, 0.2253)$

Have a look what the booklet for
Yxy(16.3111, 0.3212, 0.2253)
contains.

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Color

Yxy(16.3510, 0.3203, 0.2255)

Conversions

Conversions Part 1

Format	Color
Hex	9D579B
RGB	157, 87, 155
RGB Percent	62%, 34%, 61%
CMY	0.3844, 0.6587, 0.3922
CMYK	0.00, 0.45, 0.01, 0.38
HSL	302°, 29%, 48%
HSV	302°, 45%, 62%
XYZ	23.2249, 16.3510, 32.9340
YIQ	115.6820, 19.8920, 35.9880

Conversions

Conversions Part 2

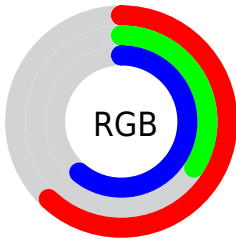
Format	Color
R_{YB}	157, 87, 155
Decimal	10311579
CIE _{Lab}	47.43, 39.18, -24.89
CIE _{LCh}	47, 46.415, 327.574
Yxy	16.3510, 0.3203, 0.2255
Android (android.graphics.Color)	4288501659 (0xFF9D579B)
YUV	115.6820, 19.3838, 36.2359
Hunter-Lab	40.4364, 31.7592, -19.9842

Details

The Yxy color **16.3510, 0.3203, 0.2255** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **26.8561, 0.3049, 0.4603**, and the grayscale version is **17.2989, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.2645, 0.3195, 0.2465**, and **5.2657, 0.3193, 0.1895** is the 20% darker color. If you saturate the color by 10%, you get **14.0646, 0.3220, 0.2054**, and if you desaturate by 10%, it is **19.1917, 0.3185, 0.2477**.

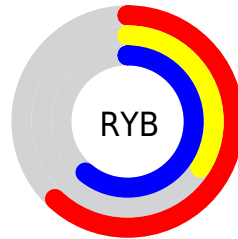
Distribution



Red (62%)

Green (34%)

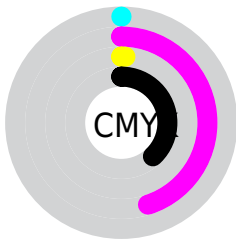
Blue (61%)



Red (62%)

Yellow (34%)

Blue (61%)

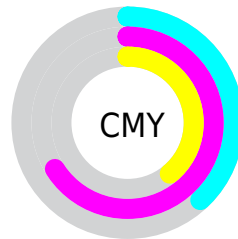


Cyan (0%)

Magenta (45%)

Yellow (1%)

Black (38%)



Cyan (38%)


Magenta (66%)


Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.3510, 0.3203, 0.2255 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 16.3510, 0.3203, 0.2255 by changing the saturation by 10% instead.


 16.3510, 0.3203,
0.2255


 16.3510, 0.3203,
0.2255


231.4041, 0.3177,
0.2812


 9.7729, 0.3203,
0.2104


 37.2065, 0.3198,
0.2467


 5.2486, 0.3198,
0.1903


 52.2526, 0.3194,
0.2544


 2.3939, 0.3179,
0.1626

 70.8903, 0.3191,
0.2608

 0.8227, 0.3124,
0.1227

 93.5037, 0.3188,
0.2661

 0.0000, 0.3125,
0.0000

 120.4775, 0.3185,
0.2707

 0.0000, 0.0000,
0.0000

152.1958, 0.3182,

0.2747

189.0432, 0.3179,
0.2782

■ 16.3510, 0.3203,
0.2255

■ 16.3510, 0.3203,
0.2255

■ 14.0646, 0.3220,
0.2054

■ 19.1917, 0.3185,
0.2477

■ 12.2941, 0.3237,
0.1883

■ 22.6174, 0.3167,
0.2712

■ 10.9997, 0.3252,
0.1748


■ 26.6593, 0.3150,
0.2950


■ 10.1350, 0.3265,
0.1655


■ 31.3456, 0.3134,
0.3185

■ 9.6426, 0.3275,
0.1601

■ 36.7029, 0.3119,
0.3412

 9.4494, 0.3281,
0.1581

 42.7561, 0.3105,
0.3627

 49.5290, 0.3093,
0.3827

 57.0442, 0.3082,
0.4012

 65.3234, 0.3072,
0.4182

Harmonies

Analogous

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



16.3510, 0.2371, 0.1988



16.3510, 0.3203, 0.2255



16.3510, 0.4145, 0.2725

Triad

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



16.3510, 0.3203, 0.2255



16.3510, 0.4456, 0.4589



16.3510, 0.1690, 0.2901

Complementary

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



16.3510, 0.3203, 0.2255



26.8561, 0.3049, 0.4603

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.



16.3510, 0.2113, 0.3883



16.3510, 0.3203, 0.2255



16.3510, 0.3703, 0.4980

Square

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



16.3510, 0.3203, 0.2255



16.3510, 0.4894, 0.3965



16.3510, 0.2847, 0.4763



16.3510, 0.1607, 0.2251

Rectangle

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



16.3510, 0.3203, 0.2255



16.3510, 0.4641, 0.3113



16.3510, 0.2847, 0.4763



16.3510, 0.1792, 0.3202

Sweetspot

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



16.3517, 0.3203, 0.2255



48.7950, 0.3148, 0.2981



11.3371, 0.2324, 0.1947



10.3795, 0.3152, 0.2932



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



16.3517, 0.3203, 0.2255



25.3941, 0.3220, 0.2064



15.3622, 0.3704, 0.2742



6.7513, 0.3142, 0.3076



7.6777, 0.3280, 0.1581



0.1382, 0.3250, 0.1564

Inverse Universe

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



16.3517, 0.3203, 0.2255



25.3941, 0.3220, 0.2064



27.5688, 0.2787, 0.3926



6.7513, 0.3142, 0.3076



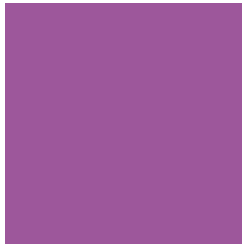
7.6777, 0.3280, 0.1581



0.1382, 0.3250, 0.1564

Previews

White Background



This preview shows how the Yxy color 16.3510, 0.3203, 0.2255 looks on a white background.

Color Contrast Check

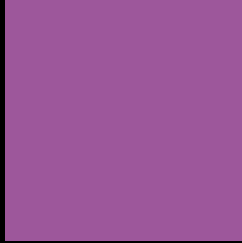
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.3510, 0.3203, 0.2255 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

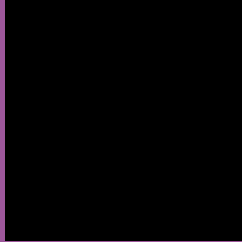
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.3510, 0.3203, 0.2255

Background



This preview shows how black text looks on a background with the Yxy color 16.3510, 0.3203, 0.2255.



This preview shows how white text looks on a background with the Yxy color 16.3510, 0.3203, 0.2255.

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

16.3510, 0.3203, 0.2255

Protanopia

16.5985, 0.2294, 0.2171

Deuteranopia

16.4868, 0.2598, 0.2539



Tritanopia

16.3553, 0.3806, 0.3155

Trichromacy



Original Color

16.3510, 0.3203, 0.2255

Protanomaly

15.8702, 0.2551, 0.2169

Deuteranomaly

15.9807, 0.2800, 0.2408

Tritanomaly

16.2329, 0.3575, 0.2793

Monochromacy



Original Color

16.3510, 0.3203, 0.2255

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

16.5402, 0.3162, 0.2836

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.3510, 0.3203, 0.2255 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(157, 87, 155)` looks like.

```
.text, #text, p{  
    color:rgb(157, 87, 155)  
}
```

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(157, 87, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 87, 155) }
```

Border

The CSS property to change the border of an element to Yxy 16.3510, 0.3203, 0.2255 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(157, 87, 155) }
```

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

```
.border{ border-color:rgb(157, 87, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 87, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 87, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 87, 155);  
box-shadow:4px 4px 4px 4px rgb(157, 87,  
155) }
```


Background

The CSS property to change the background color of an element to Yxy 16.3510, 0.3203, 0.2255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 87, 155) }
```

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

```
.background{ background-color: rgb(157, 87,  
155) }
```

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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