

Converting Colors

$Y_{xy}(16.9508, 0.2602, 0.2212)$

Have a look what the booklet for
Yxy(16.9508, 0.2602, 0.2212)
contains.

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Color

Yxy(16.9608, 0.2603, 0.2212)

Conversions

Conversions Part 1

Format	Color
Hex	7869A9
RGB	120, 105, 169
RGB Percent	47%, 41%, 66%
CMY	0.5294, 0.5882, 0.3373
CMYK	0.29, 0.38, 0.00, 0.34
HSL	254°, 27%, 54%
HSV	254°, 38%, 66%
XYZ	19.9588, 16.9608, 39.7567
YIQ	116.7810, -11.6040, 23.0840

Conversions

Conversions Part 2

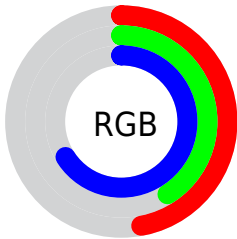
Format	Color
RYB	120, 105, 169
Decimal	7891369
CIELab	48.21, 20.42, -32.24
CIELCh	48, 38.164, 302.350
Yxy	16.9608, 0.2603, 0.2212
Android (android.graphics.Color)	4286081449 (0xFF7869A9)
YUV	116.7810, 25.7440, 2.8231
Hunter-Lab	41.1835, 14.4357, -28.4074

Details

The Yxy color **16.9608, 0.2603, 0.2212** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **36.2647, 0.3532, 0.4261**, and the grayscale version is **17.6401, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.2118, 0.2726, 0.2426**, and **5.5757, 0.2370, 0.1841** is the 20% darker color. If you saturate the color by 10%, you get **12.9907, 0.2429, 0.1886**, and if you desaturate by 10%, it is **21.7413, 0.2764, 0.2528**.

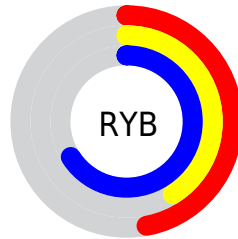
Distribution



Red (47%)

Green (41%)

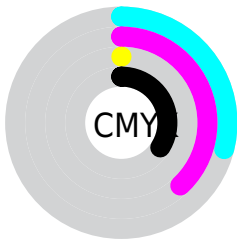
Blue (66%)



Red (47%)

Yellow (41%)

Blue (66%)

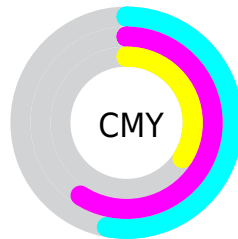


Cyan (29%)

Magenta (38%)

Yellow (0%)

Black (34%)



Cyan (53%)

Magenta (59%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.9608, 0.2603, 0.2212 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 16.9608, 0.2603, 0.2212 by changing the saturation by 10% instead.

■ 16.9608, 0.2603,
0.2212

■ 16.9608, 0.2603,
0.2212

234.9464, 0.2911,
0.2797

■ 10.2065, 0.2509,
0.2053

■ 38.2584, 0.2727,
0.2435

■ 5.5361, 0.2377,
0.1843

■ 53.5705, 0.2770,
0.2515

■ 2.5651, 0.2181,
0.1555

■ 72.5040, 0.2805,
0.2582

■ 0.9092, 0.1870,
0.1151

■ 95.4433, 0.2833,
0.2639

■ 0.0000, 0.1109,
0.0000

122.7728, 0.2857,
0.2687

■ 0.0000, 0.0000,
0.0000

154.8769, 0.2878,

0.2728

192.1399, 0.2895,
0.2765

■ 16.9608, 0.2603,
0.2212

■ 16.9608, 0.2603,
0.2212

■ 12.9907, 0.2429,
0.1886

■ 21.7413, 0.2764,
0.2528

■ 9.7833, 0.2248,
0.1565

■ 27.3723, 0.2910,
0.2825

■ 7.2889, 0.2070,
0.1267

■ 33.8937, 0.3038,
0.3096

■ 5.4509, 0.1905,
0.1014

■ 41.3420, 0.3150,
0.3340

■ 4.2039, 0.1764,
0.0823

■ 49.7518, 0.3245,
0.3556

■ 3.4430, 0.1655,
0.0697

■ 59.1561, 0.3327,
0.3747

■ 3.3080, 0.1634,
0.0674

■ 69.5860, 0.3397,
0.3915

■ 81.0714, 0.3456,
0.4062

■ 92.2937, 0.3511,
0.4172

Harmonies

Analogous

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



16.9608, 0.2096, 0.2168



16.9608, 0.2603, 0.2212



16.9608, 0.3322, 0.2474

Triad

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



16.9608, 0.2603, 0.2212



16.9608, 0.4562, 0.3984



16.9608, 0.2220, 0.3643

Complementary

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



16.9608, 0.2603, 0.2212



36.2647, 0.3532, 0.4261

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.



16.9608, 0.2810, 0.4370



16.9608, 0.2603, 0.2212



16.9608, 0.4169, 0.4462

Square

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



16.9608, 0.2603, 0.2212



16.9608, 0.4540, 0.3432



16.9608, 0.3524, 0.4667



16.9608, 0.1892, 0.2886

Rectangle

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



16.9608, 0.2603, 0.2212



16.9608, 0.3833, 0.2746



16.9608, 0.3524, 0.4667



16.9608, 0.2392, 0.3910

Sweetspot

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



16.9615, 0.2603, 0.2212



56.6342, 0.2997, 0.3009



29.0007, 0.2574, 0.3040



12.0119, 0.2981, 0.2974



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.



16.9615, 0.2603, 0.2212



24.6185, 0.2466, 0.1953



19.6369, 0.2966, 0.2316



7.3823, 0.3021, 0.3059



2.4866, 0.1643, 0.0679



0.0828, 0.1978, 0.0863

Inverse Universe

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



20.8712, 0.3352, 0.2568



32.6810, 0.3414, 0.2422



33.5377, 0.3224, 0.4364



7.6361, 0.3172, 0.3119



7.4839, 0.3894, 0.1919



0.1892, 0.3627, 0.1772

Previews

White Background



This preview shows how the Yxy color 16.9608, 0.2603, 0.2212 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 16.9608, 0.2603, 0.2212 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

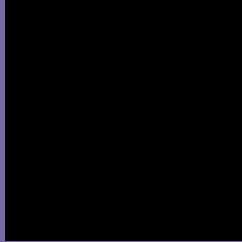
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 16.9608, 0.2603, 0.2212

Background



This preview shows how black text looks on a background with the Yxy color 16.9608, 0.2603, 0.2212.



This preview shows how white text looks on a background with the Yxy color 16.9608, 0.2603, 0.2212.

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

16.9608, 0.2603, 0.2212

Protanopia

16.9588, 0.2307, 0.2180

Deuteranopia

17.1518, 0.2378, 0.2330



Tritanopia

16.8694, 0.2972, 0.3092

Trichromacy



Original Color

16.9608, 0.2603, 0.2212

Protanomaly

16.7792, 0.2399, 0.2177

Deuteranomaly

17.0796, 0.2453, 0.2283

Tritanomaly

16.8397, 0.2830, 0.2745

Monochromacy



Original Color

16.9608, 0.2603, 0.2212

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

17.4394, 0.2922, 0.2860

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.9608, 0.2603, 0.2212 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(120, 105, 169)` looks like.

```
.text, #text, p{  
    color:rgb(120, 105, 169)  
}
```

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(120, 105, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 105, 169) }
```

Border

The CSS property to change the border of an element to Yxy 16.9608, 0.2603, 0.2212 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(120, 105, 169) }
```

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

```
.border{ border-color:rgb(120, 105, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 105, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 105, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 105, 169);  
box-shadow:4px 4px 4px 4px rgb(120, 105,  
169) }
```


Background

The CSS property to change the background color of an element to Yxy 16.9608, 0.2603, 0.2212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 105, 169) }
```

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

```
.background{ background-color: rgb(120,  
105, 169) }
```

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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