

Converting Colors

$Y_{xy}(16.6296, 0.2990, 0.2601)$

Have a look what the booklet for
Yxy(16.6296, 0.2990, 0.2601)
contains.

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Color

Yxy(16.6296, 0.2990, 0.2601)

Conversions

Conversions Part 1

Format	Color
Hex	82688F
RGB	130, 104, 143
RGB Percent	51%, 41%, 56%
CMY	0.4901, 0.5922, 0.4392
CMYK	0.09, 0.27, 0.00, 0.44
HSL	280°, 16%, 48%
HSV	280°, 27%, 56%
XYZ	19.1167, 16.6296, 28.1891
YIQ	116.2200, 2.9770, 17.6410

Conversions

Conversions Part 2

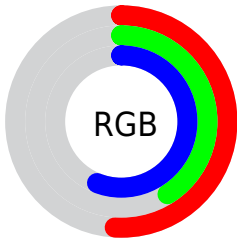
Format	Color
RYB	130, 104, 143
Decimal	8546447
CIELab	47.79, 17.99, -17.49
CIELCh	48, 25.091, 315.821
Yxy	16.6296, 0.2990, 0.2601
Android (android.graphics.Color)	4286736527 (0xFF82688F)
YUV	116.2200, 13.2025, 12.0851
Hunter-Lab	40.7794, 12.3138, -12.4391

Details

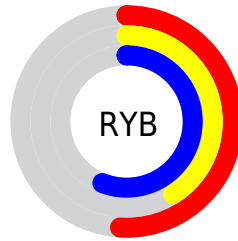
The Yxy color **16.6296, 0.2990, 0.2601** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **24.4246, 0.3230, 0.4014**, and the grayscale version is **17.4949, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.5412, 0.3022, 0.2745**, and **5.4220, 0.2906, 0.2335** is the 20% darker color. If you saturate the color by 10%, you get **13.6240, 0.2924, 0.2332**, and if you desaturate by 10%, it is **20.1422, 0.3047, 0.2865**.

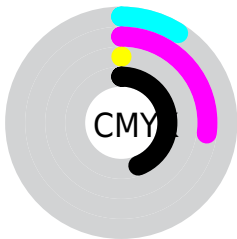
Distribution



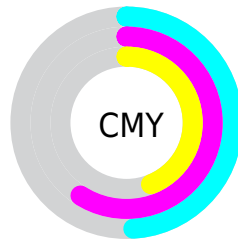
- Red (51%)
- Green (41%)
- Blue (56%)



- Red (51%)
- Yellow (41%)
- Blue (56%)



- Cyan (9%)
- Magenta (27%)
- Yellow (0%)
- Black (44%)



- Cyan (49%)
- Magenta (59%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.6296, 0.2990, 0.2601 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 16.6296, 0.2990, 0.2601 by changing the saturation by 10% instead.

■ 16.6296, 0.2990,
0.2601

■ 16.6296, 0.2990,
0.2601

■ 233.0287, 0.3076,
0.2986

■ 9.9708, 0.2960,
0.2489

■ 37.6878, 0.3026,
0.2752

■ 5.3796, 0.2916,
0.2335

■ 52.8560, 0.3038,
0.2805

■ 2.4716, 0.2843,
0.2109

■ 71.6294, 0.3048,
0.2849

■ 0.8624, 0.2707,
0.1753

■ 94.3924, 0.3056,
0.2885

■ 0.0000, 0.1778,
0.0000

■ 121.5295, 0.3062,
0.2916

■ 0.0000, 0.0000,
0.0000

153.4250, 0.3067,

0.2943

190.4632, 0.3072,
0.2966

■ 16.6296, 0.2990,
0.2601

■ 16.6296, 0.2990,
0.2601

■ 13.6240, 0.2924,
0.2332

■ 20.1422, 0.3047,
0.2865

■ 11.0984, 0.2850,
0.2065

■ 24.1829, 0.3096,
0.3116

■ 9.0266, 0.2770,
0.1811

■ 28.7739, 0.3138,
0.3353

■ 7.3788, 0.2684,
0.1582

■ 33.9357, 0.3172,
0.3571

■ 6.1216, 0.2596,
0.1387

■ 39.6877, 0.3200,
0.3771

■ 5.2164, 0.2508,
0.1235

■ 46.0483, 0.3223,
0.3953

■ 4.5937, 0.2424,
0.1125

■ 53.0353, 0.3241,
0.4118

■ 4.4388, 0.2401,
0.1096

■ 60.6654, 0.3255,
0.4266

■ 68.9550, 0.3267,
0.4399

Harmonies

Analogous

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



16.6296, 0.2559, 0.2501



16.6296, 0.2990, 0.2601



16.6296, 0.3495, 0.2851

Triad

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



16.6296, 0.2990, 0.2601



16.6296, 0.4014, 0.3953



16.6296, 0.2384, 0.3304

Complementary

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



16.6296, 0.2990, 0.2601



24.4246, 0.3230, 0.4014

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.



16.6296, 0.2731, 0.3793



16.6296, 0.2990, 0.2601



16.6296, 0.3674, 0.4168

Square

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



16.6296, 0.2990, 0.2601



16.6296, 0.4113, 0.3596



16.6296, 0.3201, 0.4126



16.6296, 0.2232, 0.2861

Rectangle

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



16.6296, 0.2990, 0.2601



16.6296, 0.3797, 0.3078



16.6296, 0.3201, 0.4126



16.6296, 0.2480, 0.3472

Sweetspot

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



16.6303, 0.2990, 0.2601



42.6223, 0.3092, 0.3095



17.6477, 0.2695, 0.2794



9.5330, 0.3086, 0.3060



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



16.6303, 0.2990, 0.2601



26.2240, 0.2949, 0.2428



17.5310, 0.3240, 0.2737



5.4224, 0.3088, 0.3070



3.9364, 0.2405, 0.1098



0.0497, 0.2790, 0.1311

Inverse Universe

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



17.0229, 0.3505, 0.3062



27.1037, 0.3627, 0.3006



23.7246, 0.3032, 0.3915



5.4518, 0.3233, 0.3217



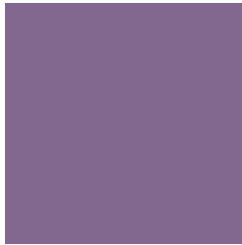
5.3525, 0.5579, 0.2847



0.0549, 0.4523, 0.2265

Previews

White Background



This preview shows how the Yxy color 16.6296, 0.2990, 0.2601 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 16.6296, 0.2990, 0.2601 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 16.6296, 0.2990, 0.2601

Background



This preview shows how black text looks on a background with the Yxy color 16.6296, 0.2990, 0.2601.



This preview shows how white text looks on a background with the Yxy color 16.6296, 0.2990, 0.2601.

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

16.6296, 0.2990, 0.2601

Protanopia

16.7013, 0.2629, 0.2594

Deuteranopia

16.6369, 0.2762, 0.2703



Tritanopia

16.6573, 0.3256, 0.3138

Trichromacy



Original Color

16.6296, 0.2990, 0.2601

Protanomaly

16.5546, 0.2743, 0.2588

Deuteranomaly

16.4600, 0.2841, 0.2660

Tritanomaly

16.5338, 0.3157, 0.2937

Monochromacy



Original Color

16.6296, 0.2990, 0.2601

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

17.1596, 0.3075, 0.3024

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.6296, 0.2990, 0.2601 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(130, 104, 143)` looks like.

```
.text, #text, p{  
    color:rgb(130, 104, 143)  
}
```

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(130, 104, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 104, 143) }
```

Border

The CSS property to change the border of an element to Yxy 16.6296, 0.2990, 0.2601 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(130, 104, 143) }
```

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

```
.border{ border-color:rgb(130, 104, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 104, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 104, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 104, 143);  
box-shadow:4px 4px 4px 4px rgb(130, 104,  
143) }
```


Background

The CSS property to change the background color of an element to Yxy 16.6296, 0.2990, 0.2601 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 104, 143) }
```

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

```
.background{ background-color: rgb(130,  
104, 143) }
```

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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