

Converting Colors

$Y_{xy}(16.0729, 0.2874, 0.2490)$

Have a look what the booklet for
Yxy(16.0729, 0.2874, 0.2490)
contains.

Yxy(15.9693, 0.2880, 0.2489)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(15.9693, 0.2880, 0.2489)

Conversions

Conversions Part 1

Format	Color
Hex	7D6693
RGB	125, 102, 147
RGB Percent	49%, 40%, 58%
CMY	0.5097, 0.6000, 0.4235
CMYK	0.15, 0.31, 0.00, 0.42
HSL	271°, 18%, 49%
HSV	271°, 31%, 58%
XYZ	18.4779, 15.9693, 29.7123
YIQ	114.0070, -0.7370, 18.8710

Conversions

Conversions Part 2

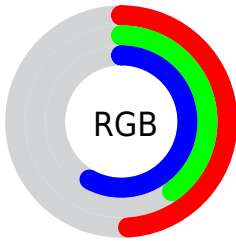
Format	Color
R_{YB}	125, 102, 147
Decimal	8218259
CIE _{Lab}	46.93, 18.38, -21.22
CIE _{LCh}	47, 28.073, 310.906
Yxy	15.9693, 0.2880, 0.2489
Android (android.graphics.Color)	4286408339 (0xFF7D6693)
YUV	114.0070, 16.2655, 9.6409
Hunter-Lab	39.9616, 12.6042, -16.1102

Details

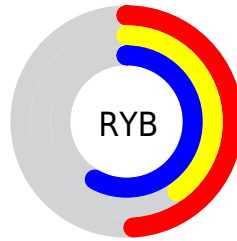
The Yxy color **15.9693, 0.2880, 0.2489** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **26.1095, 0.3316, 0.4096**, and the grayscale version is **16.7809, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.4645, 0.2943, 0.2663**, and **5.0728, 0.2754, 0.2190** is the 20% darker color. If you saturate the color by 10%, you get **12.8115, 0.2775, 0.2202**, and if you desaturate by 10%, it is **19.6798, 0.2973, 0.2768**.

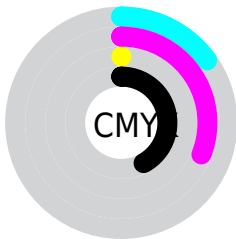
Distribution



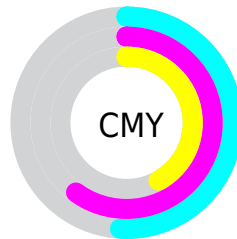
- Red (49%)
- Green (40%)
- Blue (58%)



- Red (49%)
- Yellow (40%)
- Blue (58%)



- Cyan (15%)
- Magenta (31%)
- Yellow (0%)
- Black (42%)




- Cyan (51%)
- Magenta (60%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.9693, 0.2880, 0.2489 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 15.9693, 0.2880, 0.2489 by changing the saturation by 10% instead.


 15.9693, 0.2880,
0.2489


 15.9693, 0.2880,
0.2489


229.1605, 0.3031,
0.2936

 9.5024, 0.2830,
0.2360


 36.5449, 0.2943,
0.2664


 5.0703, 0.2756,
0.2183


 51.4224, 0.2964,
0.2726

 2.2886, 0.2638,
0.1926

 69.8723, 0.2981,
0.2777

 0.7677, 0.2428,
0.1521

 92.2789, 0.2995,
0.2819

 0.0000, 0.1011,
0.0000

119.0266, 0.3006,
0.2855

 0.0000, 0.0000,
0.0000

150.4999, 0.3016,

0.2886

187.0830, 0.3024,
0.2913

■ 15.9693, 0.2880,
0.2489

■ 15.9693, 0.2880,
0.2489

■ 12.8115, 0.2775,
0.2202

■ 19.6798, 0.2973,
0.2768

■ 10.1766, 0.2660,
0.1915

■ 23.9669, 0.3054,
0.3031

■ 8.0348, 0.2538,
0.1641


■ 28.8555, 0.3123,
0.3276

■ 6.3524, 0.2411,
0.1393


■ 34.3683, 0.3182,
0.3499


■ 5.0914, 0.2286,
0.1184

■ 40.5270, 0.3232,
0.3702

 4.2073, 0.2167,
0.1025

 47.3522, 0.3273,
0.3885

 3.6117, 0.2064,
0.0910

 54.8633, 0.3307,
0.4049

 63.0793, 0.3335,
0.4195

 72.0182, 0.3358,
0.4326

Harmonies

Analogous

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



15.9693, 0.2425, 0.2407



15.9693, 0.2880, 0.2489



15.9693, 0.3448, 0.2742

Triad

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



15.9693, 0.2880, 0.2489



15.9693, 0.4168, 0.3968



15.9693, 0.2339, 0.3395

Complementary

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



15.9693, 0.2880, 0.2489



26.1095, 0.3316, 0.4096

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.



15.9693, 0.2755, 0.3948



15.9693, 0.2880, 0.2489



15.9693, 0.3815, 0.4260

Square

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



15.9693, 0.2880, 0.2489



15.9693, 0.4232, 0.3552



15.9693, 0.3295, 0.4279



15.9693, 0.2136, 0.2869

Rectangle

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



15.9693, 0.2880, 0.2489



15.9693, 0.3809, 0.2983



15.9693, 0.3295, 0.4279



15.9693, 0.2457, 0.3588

Sweetspot

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



15.9700, 0.2880, 0.2489



44.1076, 0.3064, 0.3067



19.4712, 0.2653, 0.2868



9.8150, 0.3054, 0.3033



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



15.9700, 0.2880, 0.2489



24.4611, 0.2806, 0.2284



17.8111, 0.3162, 0.2554



5.7701, 0.3064, 0.3067



3.1459, 0.2069, 0.0914



0.0560, 0.2554, 0.1181

Inverse Universe

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



17.1590, 0.3468, 0.2915



27.0271, 0.3578, 0.2824



24.6512, 0.3087, 0.4155



5.8598, 0.3211, 0.3182



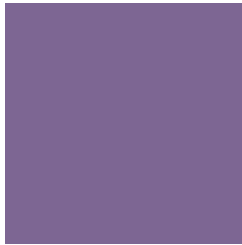
5.7858, 0.4958, 0.2505



0.0767, 0.4064, 0.2012

Previews

White Background



This preview shows how the Yxy color 15.9693, 0.2880, 0.2489 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 15.9693, 0.2880, 0.2489 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

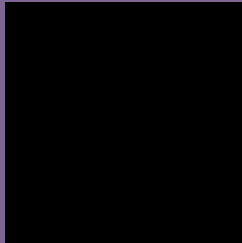
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.9693, 0.2880, 0.2489

Background



This preview shows how black text looks on a background with the Yxy color 15.9693, 0.2880, 0.2489.



This preview shows how white text looks on a background with the Yxy color 15.9693, 0.2880, 0.2489.

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

15.9693, 0.2880, 0.2489

Protanopia

16.1044, 0.2536, 0.2479

Deuteranopia

16.1702, 0.2653, 0.2604



Tritanopia

15.9791, 0.3189, 0.3134

Trichromacy



Original Color

15.9693, 0.2880, 0.2489

Protanomaly

15.9379, 0.2643, 0.2474

Deuteranomaly

16.0355, 0.2738, 0.2564

Tritanomaly

15.9779, 0.3079, 0.2892

Monochromacy



Original Color

15.9693, 0.2880, 0.2489

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

16.5098, 0.3037, 0.2982

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.9693, 0.2880, 0.2489 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(125, 102, 147)` looks like.

```
.text, #text, p{  
    color:rgb(125, 102, 147)  
}
```

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(125, 102, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 102, 147) }
```

Border

The CSS property to change the border of an element to Yxy 15.9693, 0.2880, 0.2489 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(125, 102, 147) }
```

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

```
.border{ border-color:rgb(125, 102, 147) }
```

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

Here you see how a box with a 4 pixel rgb(125, 102, 147) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 102, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 102, 147);  
box-shadow:4px 4px 4px 4px rgb(125, 102,  
147) }
```


Background

The CSS property to change the background color of an element to Yxy 15.9693, 0.2880, 0.2489 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 102, 147) }
```

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

```
.background{ background-color: rgb(125,  
102, 147) }
```

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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