

Converting Colors

$Y_{xy}(15.9964, 0.2500, 0.1816)$

Have a look what the booklet for
Yxy(15.9964, 0.2500, 0.1816)
contains.

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Color

Yxy(15.9955, 0.2504, 0.1815)

Conversions

Conversions Part 1

Format	Color
Hex	815CBD
RGB	129, 92, 189
RGB Percent	51%, 36%, 74%
CMY	0.4940, 0.6392, 0.2588
CMYK	0.32, 0.51, 0.00, 0.26
HSL	263°, 42%, 55%
HSV	263°, 51%, 74%
XYZ	22.0676, 15.9955, 50.0664
YIQ	114.1210, -9.0850, 38.0110

Conversions

Conversions Part 2

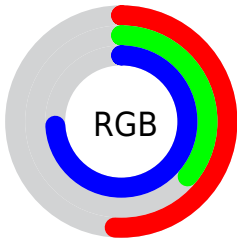
Format	Color
R_{YB}	129, 92, 189
Decimal	8477885
CIE _{Lab}	46.97, 35.89, -45.80
CIE _{LCh}	47, 58.190, 308.084
Yxy	15.9955, 0.2504, 0.1815
Android (android.graphics.Color)	4286667965 (0xFF815CBD)
YUV	114.1210, 36.9153, 13.0489
Hunter-Lab	39.9944, 28.5005, -46.2252

Details

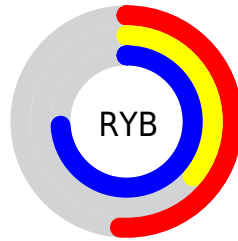
The Yxy color **15.9955, 0.2504, 0.1815** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **43.8387, 0.3528, 0.4676**, and the grayscale version is **16.7553, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.4891, 0.2649, 0.2091**, and **5.0465, 0.2228, 0.1376** is the 20% darker color. If you saturate the color by 10%, you get **12.2568, 0.2348, 0.1518**, and if you desaturate by 10%, it is **20.6568, 0.2653, 0.2125**.

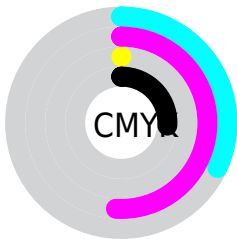
Distribution



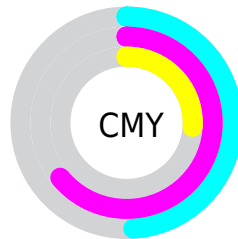
- Red (51%)
- Green (36%)
- Blue (74%)



- Red (51%)
- Yellow (36%)
- Blue (74%)



- Cyan (32%)
- Magenta (51%)
- Yellow (0%)
- Black (26%)





- Cyan (49%)
- Magenta (64%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.9955, 0.2504, 0.1815 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 15.9955, 0.2504, 0.1815 by changing the saturation by 10% instead.


 15.9955, 0.2504,
0.1815


 15.9955, 0.2504,
0.1815


229.3152, 0.2876,
0.2581


 9.5210, 0.2391,
0.1624


 36.5904, 0.2654,
0.2096


 5.0825, 0.2236,
0.1383


 51.4795, 0.2706,
0.2201

 2.2958, 0.2013,
0.1078

 69.9424, 0.2748,
0.2289

 0.7715, 0.1679,
0.0694

 92.3632, 0.2783,
0.2365

 0.0000, 0.1145,
0.0000

119.1265, 0.2812,
0.2430

 0.0000, 0.0000,
0.0000

150.6167, 0.2836,

0.2487

187.2181, 0.2857,
0.2537

■ 15.9955, 0.2504,
0.1815

■ 15.9955, 0.2504,
0.1815

■ 12.2568, 0.2348,
0.1518

■ 20.6568, 0.2653,
0.2125

■ 9.3734, 0.2192,
0.1252

■ 26.2976, 0.2791,
0.2433

■ 7.2714, 0.2045,
0.1032

■ 32.9726, 0.2914,
0.2729

■ 5.8629, 0.1913,
0.0871

■ 40.7315, 0.3022,
0.3005

■ 5.0573, 0.1814,
0.0773

■ 49.6210, 0.3116,
0.3258

■ 59.6847, 0.3196,
0.3487

■ 70.9642, 0.3263,
0.3692

■ 83.4989, 0.3320,
0.3874

■ 92.7184, 0.3380,
0.3970

Harmonies

Analogous

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



15.9955, 0.1748, 0.1682



15.9955, 0.2504, 0.1815



15.9955, 0.3624, 0.2213

Triad

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



15.9955, 0.2504, 0.1815



15.9955, 0.5126, 0.4281



15.9955, 0.1648, 0.3548

Complementary

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



15.9955, 0.2504, 0.1815



43.8387, 0.3528, 0.4676

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.



15.9955, 0.2388, 0.4888



15.9955, 0.2504, 0.1815



15.9955, 0.4380, 0.5051

Square

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



15.9955, 0.2504, 0.1815



15.9955, 0.5335, 0.3516



15.9955, 0.3391, 0.5460



15.9955, 0.1328, 0.2432

Rectangle

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



15.9955, 0.2504, 0.1815



15.9955, 0.4420, 0.2597



15.9955, 0.3391, 0.5460



15.9955, 0.1850, 0.4012

Sweetspot

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



15.9961, 0.2504, 0.1815



67.2761, 0.2982, 0.2900



28.8721, 0.2357, 0.2715



13.8373, 0.2959, 0.2841



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



15.9961, 0.2504, 0.1815



20.9889, 0.2322, 0.1471



20.5647, 0.3033, 0.2017



9.3981, 0.3042, 0.3057



3.4437, 0.1827, 0.0780



0.1727, 0.2111, 0.0937

Inverse Universe

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



20.7376, 0.3659, 0.2489



30.7914, 0.3838, 0.2342



40.1653, 0.3140, 0.4861



9.6328, 0.3194, 0.3149



8.1563, 0.4448, 0.2224



0.3319, 0.4077, 0.2020

Previews

White Background



This preview shows how the Yxy color 15.9955, 0.2504, 0.1815 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 15.9955, 0.2504, 0.1815 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

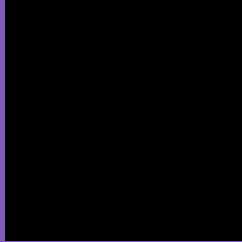
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.9955, 0.2504, 0.1815

Background



This preview shows how black text looks on a background with the Yxy color 15.9955, 0.2504, 0.1815.



This preview shows how white text looks on a background with the Yxy color 15.9955, 0.2504, 0.1815.

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

15.9955, 0.2504, 0.1815

Protanopia

16.1570, 0.1945, 0.1711

Deuteranopia

16.1479, 0.2052, 0.1996



Tritanopia

15.8901, 0.3095, 0.3111

Trichromacy



Original Color

15.9955, 0.2504, 0.1815

Protanomaly

15.6047, 0.2087, 0.1723

Deuteranomaly

15.6746, 0.2175, 0.1910

Tritanomaly

15.7072, 0.2852, 0.2541

Monochromacy



Original Color

15.9955, 0.2504, 0.1815

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

16.1531, 0.2875, 0.2643

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.9955, 0.2504, 0.1815 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(129, 92, 189)` looks like.

```
.text, #text, p{  
    color:rgb(129, 92, 189)  
}
```

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(129, 92, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 92, 189) }
```

Border

The CSS property to change the border of an element to Yxy 15.9955, 0.2504, 0.1815 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(129, 92, 189) }
```

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

```
.border{ border-color:rgb(129, 92, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 92, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 92, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 92, 189);  
box-shadow:4px 4px 4px 4px rgb(129, 92,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 15.9955, 0.2504, 0.1815 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 92, 189) }
```

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

```
.background{ background-color: rgb(129, 92,  
189) }
```

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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