

Converting Colors

$Y_{xy}(12.6311, 0.2690, 0.1823)$

Have a look what the booklet for
Yxy(12.6311, 0.2690, 0.1823)
contains.

Yxy(12.6260, 0.2688, 0.1823)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(12.6260, 0.2688, 0.1823)

Conversions

Conversions Part 1

Format	Color
Hex	814CA7
RGB	129, 76, 167
RGB Percent	51%, 30%, 65%
CMY	0.4940, 0.7020, 0.3451
CMYK	0.23, 0.55, 0.00, 0.35
HSL	275°, 37%, 48%
HSV	275°, 55%, 65%
XYZ	18.6169, 12.6260, 38.0165
YIQ	102.2210, 2.3770, 39.5370

Conversions

Conversions Part 2

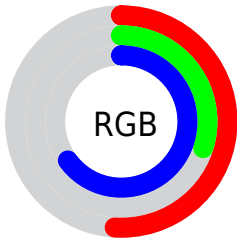
Format	Color
R_{YB}	129, 76, 167
Decimal	8473767
CIE _{Lab}	42.19, 39.54, -40.50
CIE _{LCh}	42, 56.598, 314.314
Yxy	12.6260, 0.2688, 0.1823
Android (android.graphics.Color)	4286663847 (0xFF814CA7)
YUV	102.2210, 31.9360, 23.4852
Hunter-Lab	35.5331, 31.3391, -38.5607

Details

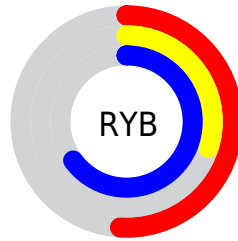
The Yxy color **12.6260, 0.2688, 0.1823** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **31.7341, 0.3363, 0.4838**, and the grayscale version is **13.2623, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.6968, 0.2806, 0.2118**, and **3.5353, 0.2446, 0.1349** is the 20% darker color. If you saturate the color by 10%, you get **10.0898, 0.2580, 0.1569**, and if you desaturate by 10%, it is **15.7976, 0.2790, 0.2098**.

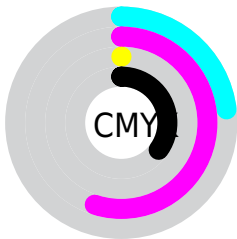
Distribution



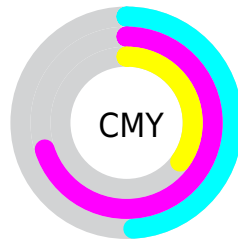
- Red (51%)
- Green (30%)
- Blue (65%)



- Red (51%)
- Yellow (30%)
- Blue (65%)



- Cyan (23%)
- Magenta (55%)
- Yellow (0%)
- Black (35%)




- Cyan (49%)
- Magenta (70%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.6260, 0.2688, 0.1823 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 12.6260, 0.2688, 0.1823 by changing the saturation by 10% instead.

 12.6260, 0.2688,
0.1823


 12.6260, 0.2688,
0.1823


208.5066, 0.2971,
0.2610


 7.1715, 0.2591,
0.1617


 30.6302, 0.2809,
0.2119


 3.5696, 0.2450,
0.1352


 43.9488, 0.2848,
0.2227

 1.4358, 0.2231,
0.1008

 60.6574, 0.2880,
0.2318

 0.2429, 0.1908,
0.0371

 81.1406, 0.2905,
0.2394

 0.0000, 0.0609,
0.0000

 105.7827, 0.2926,
0.2460

 0.0000, 0.0000,
0.0000

134.9682, 0.2943,

0.2517

169.0814, 0.2958,
0.2567

■ 12.6260, 0.2688,
0.1823

■ 12.6260, 0.2688,
0.1823

■ 10.0898, 0.2580,
0.1569

■ 15.7976, 0.2790,
0.2098

■ 8.1396, 0.2468,
0.1348

■ 19.6460, 0.2884,
0.2380

■ 6.7206, 0.2359,
0.1171

■ 24.2108, 0.2967,
0.2660

■ 5.7662, 0.2256,
0.1044

■ 29.5280, 0.3040,
0.2929

■ 5.3505, 0.2201,
0.0986

■ 35.6312, 0.3102,
0.3182

■ 42.5519, 0.3155,
0.3416

■ 50.3198, 0.3199,
0.3631

■ 58.9632, 0.3235,
0.3825

■ 68.5089, 0.3265,
0.4000

Harmonies

Analogous

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



12.6260, 0.1820, 0.1627



12.6260, 0.2688, 0.1823



12.6260, 0.3913, 0.2283

Triad

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



12.6260, 0.2688, 0.1823



12.6260, 0.5070, 0.4466



12.6260, 0.1480, 0.3263

Complementary

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



12.6260, 0.2688, 0.1823



31.7341, 0.3363, 0.4838

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.



12.6260, 0.2152, 0.4720



12.6260, 0.2688, 0.1823



12.6260, 0.4208, 0.5259

Square

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



12.6260, 0.2688, 0.1823



12.6260, 0.5452, 0.3661



12.6260, 0.3158, 0.5558



12.6260, 0.1243, 0.2217

Rectangle

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



12.6260, 0.2688, 0.1823



12.6260, 0.4718, 0.2700



12.6260, 0.3158, 0.5558



12.6260, 0.1653, 0.3737

Sweetspot

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



12.6265, 0.2688, 0.1823



51.0776, 0.3028, 0.2882



16.6843, 0.2249, 0.2325



10.9968, 0.3014, 0.2829



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.



12.6265, 0.2688, 0.1823



17.4142, 0.2561, 0.1529



15.9531, 0.3267, 0.2089



7.5084, 0.3074, 0.3063



4.1233, 0.2210, 0.0991



0.1293, 0.2545, 0.1176

Inverse Universe

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



14.5959, 0.4011, 0.2716



21.6022, 0.4317, 0.2630



29.7844, 0.3010, 0.4892



7.5923, 0.3223, 0.3196



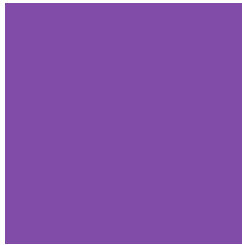
6.6310, 0.5266, 0.2675



0.1716, 0.4434, 0.2216

Previews

White Background



This preview shows how the Yxy color 12.6260, 0.2688, 0.1823 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 12.6260, 0.2688, 0.1823 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

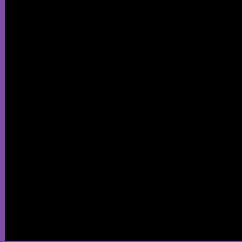
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.6260, 0.2688, 0.1823

Background



This preview shows how black text looks on a background with the Yxy color 12.6260, 0.2688, 0.1823.



This preview shows how white text looks on a background with the Yxy color 12.6260, 0.2688, 0.1823.

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

12.6260, 0.2688, 0.1823

Protanopia

12.8673, 0.1923, 0.1687

Deuteranopia

12.7471, 0.2115, 0.2064



Tritanopia

12.6004, 0.3417, 0.3146

Trichromacy



Original Color

12.6260, 0.2688, 0.1823

Protanomaly

12.1455, 0.2100, 0.1687

Deuteranomaly

12.1409, 0.2262, 0.1923

Tritanomaly

12.4092, 0.3130, 0.2577

Monochromacy



Original Color

12.6260, 0.2688, 0.1823

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

12.7798, 0.2956, 0.2630

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.6260, 0.2688, 0.1823 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, 76, 167)` looks like.

```
.text, #text, p{  
    color:rgb(129, 76, 167)  
}
```

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, 76, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 76, 167) }
```

Border

The CSS property to change the border of an element to Yxy 12.6260, 0.2688, 0.1823 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, 76, 167) }
```

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

```
.border{ border-color:rgb(129, 76, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 76, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(129, 76, 167); -webkit-box-shadow:4px 4px 4px 4px rgb(129, 76, 167); box-shadow:4px 4px 4px 4px rgb(129, 76, 167) }
```


Background

The CSS property to change the background color of an element to Yxy 12.6260, 0.2688, 0.1823 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 76, 167) }
```

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

```
.background{ background-color: rgb(129, 76,  
167) }
```

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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