

Converting Colors

$Y_{xy}(12.8139, 0.2706, 0.1293)$

Have a look what the booklet for
Yxy(12.8139, 0.2706, 0.1293)
contains.

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Color

Yxy(12.8261, 0.2708, 0.1294)

Conversions

Conversions Part 1

Format	Color
Hex	A510CE
RGB	165, 16, 206
RGB Percent	65%, 6%, 81%
CMY	0.3530, 0.9371, 0.1922
CMYK	0.20, 0.92, 0.00, 0.19
HSL	287°, 86%, 44%
HSV	287°, 92%, 81%
XYZ	26.8416, 12.8261, 59.4520
YIQ	82.2110, 27.8140, 90.6780

Conversions

Conversions Part 2

Format	Color
R _Y B	165, 16, 206
Decimal	10817742
CIE Lab	42.50, 75.88, -62.61
CIE LCh	43, 98.377, 320.477
Yxy	12.8261, 0.2708, 0.1294
Android (android.graphics.Color)	4289007822 (0xFFA510CE)
YUV	82.2110, 61.0280, 72.6060
Hunter-Lab	35.8135, 71.1090, -73.3545

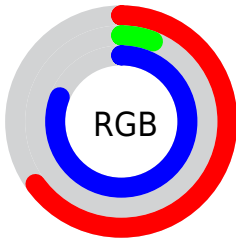
Details

The Yxy color **12.8261, 0.2708, 0.1294** is a dark color, and the websafe version is hex **9900CC**.

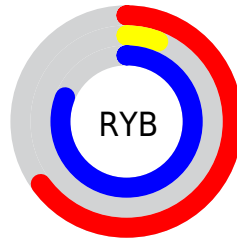
The color can be described as dark washed purple. A complement of this color would be **45.0502, 0.3105, 0.5863**, and the grayscale version is **8.3575, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.3796, 0.2905, 0.1683**, and **5.3602, 0.2494, 0.1148** is the 20% darker color. If you saturate the color by 10%, you get **12.0889, 0.2664, 0.1241**, and if you desaturate by 10%, it is **14.2406, 0.2766, 0.1394**.

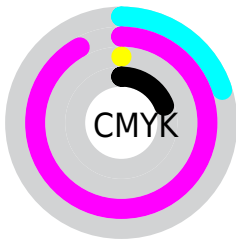
Distribution



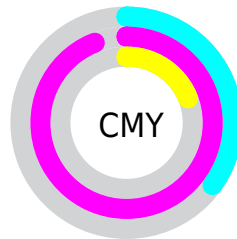
- Red (65%)
- Green (6%)
- Blue (81%)



- Red (65%)
- Yellow (6%)
- Blue (81%)



- Cyan (20%)
- Magenta (92%)
- Yellow (0%)
- Black (19%)




- Cyan (35%)
- Magenta (94%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.8261, 0.2708, 0.1294 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 12.8261, 0.2708, 0.1294 by changing the saturation by 10% instead.


 12.8261, 0.2708,
0.1294

 12.8261, 0.2708,
0.1294


209.8001, 0.3003,
0.2258


 7.3089, 0.2608,
0.1084


 30.9910, 0.2836,
0.1626


 3.6560, 0.2466,
0.0838


 44.4075, 0.2878,
0.1757


 1.4831, 0.2257,
0.0561


 61.2259, 0.2911,
0.1870

 0.2768, 0.1959,
0.0189

 81.8306, 0.2937,
0.1968

 0.0000, 0.1472,
0.0000

 106.6060, 0.2958,
0.2054

 0.0000, 0.0038,
0.0000

 135.9364, 0.2976,

 0.0000, 0.0000,

0.2130

0.0000

170.2064, 0.2991,
0.2198

■ 12.8261, 0.2708,
0.1294

■ 12.8261, 0.2708,
0.1294

■ 12.0889, 0.2664,
0.1241

■ 14.2406, 0.2766,
0.1394

■ 16.3915, 0.2824,
0.1540

■ 19.3860, 0.2880,
0.1729

■ 23.3134, 0.2934,
0.1953

■ 28.2513, 0.2983,
0.2201

■ 34.2693, 0.3026,
0.2462

■ 41.4307, 0.3064,
0.2727

■ 49.7936, 0.3096,
0.2987

■ 59.4126, 0.3122,
0.3237

Harmonies

Analogous

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



12.8261, 0.1391, 0.0997



12.8261, 0.2708, 0.1294



12.8261, 0.4826, 0.1912

Triad

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



12.8261, 0.2708, 0.1294



12.8261, 0.5342, 0.4658



12.8261, 0.0627, 0.2584

Complementary

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



12.8261, 0.2708, 0.1294



45.0502, 0.3105, 0.5863

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.



12.8261, 0.1188, 0.5366



12.8261, 0.2708, 0.1294



12.8261, 0.3797, 0.6203

Square

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



12.8261, 0.2708, 0.1294



12.8261, 0.6490, 0.3510



12.8261, 0.2348, 0.7231



12.8261, 0.0556, 0.1377

Rectangle

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



12.8261, 0.2708, 0.1294



12.8261, 0.6105, 0.2425



12.8261, 0.2348, 0.7231



12.8261, 0.0742, 0.3334

Sweetspot

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



12.8266, 0.2708, 0.1294



59.7884, 0.3042, 0.2565



7.5120, 0.1613, 0.0945



11.7709, 0.3024, 0.2449



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



12.8266, 0.2708, 0.1294



19.4938, 0.2657, 0.1238



15.7659, 0.4002, 0.2015



11.2768, 0.3104, 0.3059



7.4878, 0.2672, 0.1246



0.4175, 0.2783, 0.1307

Inverse Universe

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



13.7889, 0.5821, 0.3043



21.5362, 0.6074, 0.3120



44.6926, 0.2879, 0.5501



11.2526, 0.3257, 0.3240



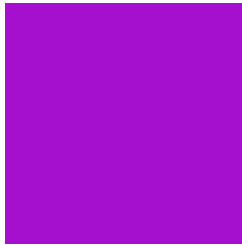
8.2060, 0.6014, 0.3086



0.4349, 0.5456, 0.2780

Previews

White Background



This preview shows how the Yxy color 12.8261, 0.2708, 0.1294 looks on a white background.

Color Contrast Check

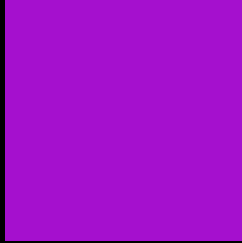
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.8261, 0.2708, 0.1294 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

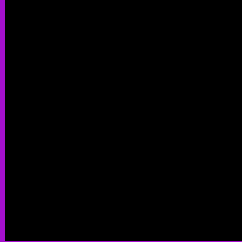
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 12.8261, 0.2708, 0.1294

Background



This preview shows how black text looks on a background with the Yxy color 12.8261, 0.2708, 0.1294.



This preview shows how white text looks on a background with the Yxy color 12.8261, 0.2708, 0.1294.

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

12.8261, 0.2708, 0.1294

Protanopia

13.2404, 0.1744, 0.1477

Deuteranopia

13.2368, 0.1843, 0.1836



Tritanopia

13.0186, 0.4174, 0.3206

Trichromacy



Original Color

12.8261, 0.2708, 0.1294



Protanomaly

9.5999, 0.1790, 0.1131



Deuteranomaly

9.3131, 0.1856, 0.1283



Tritanomaly

11.5078, 0.3579, 0.2183

Monochromacy



Original Color

12.8261, 0.2708, 0.1294



Achromatopsia

8.4376, 0.3127, 0.3290



Achromatomaly

8.0032, 0.2932, 0.1951

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.8261, 0.2708, 0.1294 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(165, 16, 206)` looks like.

```
.text, #text, p{  
    color:rgb(165, 16, 206)  
}
```

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(165, 16, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 16, 206) }
```

Border

The CSS property to change the border of an element to Yxy 12.8261, 0.2708, 0.1294 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(165, 16, 206) }
```

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

```
.border{ border-color:rgb(165, 16, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 16, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 16, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 16, 206);  
box-shadow:4px 4px 4px 4px rgb(165, 16,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 12.8261, 0.2708, 0.1294 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 16, 206) }
```

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

```
.background{ background-color: rgb(165, 16,  
206) }
```

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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