

Converting Colors

$Y_{xy}(17.8748, 0.2704, 0.1695)$

Have a look what the booklet for
Yxy(17.8748, 0.2704, 0.1695)
contains.

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Color

Yxy(17.9713, 0.2708, 0.1701)

Conversions

Conversions Part 1

Format	Color
Hex	A152CC
RGB	161, 82, 204
RGB Percent	63%, 32%, 80%
CMY	0.3686, 0.6784, 0.2001
CMYK	0.21, 0.60, 0.00, 0.20
HSL	279°, 54%, 56%
HSV	279°, 60%, 80%
XYZ	28.6104, 17.9713, 59.0697
YIQ	119.5290, 7.9220, 54.6900

Conversions

Conversions Part 2

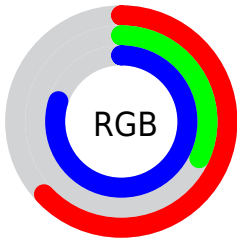
Format	Color
RYB	161, 82, 204
Decimal	10572492
CIELab	49.46, 52.93, -50.25
CIELCh	49, 72.987, 316.488
Yxy	17.9713, 0.2708, 0.1701
Android (android.graphics.Color)	4288762572 (0xFFA152CC)
YUV	119.5290, 41.6442, 36.3701
Hunter-Lab	42.3926, 46.2812, -52.9397

Details

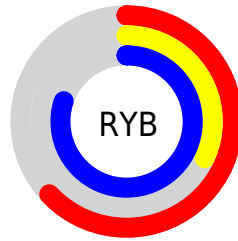
The Yxy color **17.9713, 0.2708, 0.1701** is a light color, and the websafe version is hex **9966CC**. The color can be described as light muted purple. A complement of this color would be **48.1415, 0.3312, 0.5050**, and the grayscale version is **18.4893, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.4534, 0.2862, 0.2030**, and **6.0646, 0.2516, 0.1295** is the 20% darker color. If you saturate the color by 10%, you get **14.6134, 0.2613, 0.1475**, and if you desaturate by 10%, it is **22.2876, 0.2799, 0.1957**.

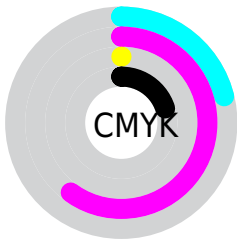
Distribution



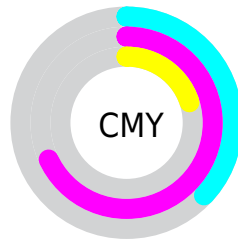
- Red (63%)
- Green (32%)
- Blue (80%)



- Red (63%)
- Yellow (32%)
- Blue (80%)



- Cyan (21%)
- Magenta (60%)
- Yellow (0%)
- Black (20%)





- Cyan (37%)
- Magenta (68%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.9713, 0.2708, 0.1701 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 17.9713, 0.2708, 0.1701 by changing the saturation by 10% instead.


 17.9713, 0.2708,
0.1701


 17.9713, 0.2708,
0.1701


240.7092, 0.2972,
0.2489


 10.9294, 0.2625,
0.1516


 39.9884, 0.2817,
0.1981


 6.0194, 0.2510,
0.1289


 55.7324, 0.2854,
0.2088


 2.8569, 0.2342,
0.1010


 75.1459, 0.2884,
0.2180

 1.0575, 0.2086,
0.0674

 98.6132, 0.2908,
0.2259

 0.0000, 0.1735,
0.0000

 126.5188, 0.2928,
0.2328

 0.0000, 0.0596,
0.0000

159.2471, 0.2945,

 0.0000, 0.0000,

0.2388

0.0000

197.1824, 0.2960,
0.2442

■ 17.9713, 0.2708,
0.1701

■ 17.9713, 0.2708,
0.1701

■ 14.6134, 0.2613,
0.1475

■ 22.2876, 0.2799,
0.1957

■ 12.1274, 0.2517,
0.1290

■ 27.6345, 0.2882,
0.2230

■ 10.4143, 0.2424,
0.1154

■ 34.0793, 0.2958,
0.2509

■ 9.2926, 0.2336,
0.1061

■ 41.6831, 0.3024,
0.2784

■ 9.2711, 0.2334,
0.1059

■ 50.5023, 0.3080,
0.3048

■ 60.5896, 0.3128,
0.3295

■ 71.9945, 0.3168,
0.3524

■ 84.7638, 0.3200,
0.3733

■ 91.9966, 0.3238,
0.3822

Harmonies

Analogous

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



17.9713, 0.1727, 0.1469



17.9713, 0.2708, 0.1701



17.9713, 0.4118, 0.2211

Triad

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



17.9713, 0.2708, 0.1701



17.9713, 0.5178, 0.4568



17.9713, 0.1259, 0.3116

Complementary

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



17.9713, 0.2708, 0.1701



48.1415, 0.3312, 0.5050

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.



17.9713, 0.1930, 0.4843



17.9713, 0.2708, 0.1701



17.9713, 0.4164, 0.5507

Square

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



17.9713, 0.2708, 0.1701



17.9713, 0.5720, 0.3680



17.9713, 0.3006, 0.5898



17.9713, 0.1060, 0.2008

Rectangle

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



17.9713, 0.2708, 0.1701



17.9713, 0.5027, 0.2663



17.9713, 0.3006, 0.5898



17.9713, 0.1425, 0.3656

Sweetspot

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



17.9720, 0.2708, 0.1701



71.1902, 0.3033, 0.2826



21.2631, 0.2124, 0.2059



14.3792, 0.3015, 0.2746



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.



17.9720, 0.2708, 0.1701



22.7631, 0.2583, 0.1412



22.4891, 0.3383, 0.2058



11.1983, 0.3082, 0.3058



5.8908, 0.2346, 0.1066



0.3453, 0.2517, 0.1160

Inverse Universe

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



20.3512, 0.4294, 0.2764



27.5980, 0.4717, 0.2714



45.8542, 0.2960, 0.4975



11.2779, 0.3236, 0.3209



8.3897, 0.5548, 0.2830



0.4471, 0.5001, 0.2529

Previews

White Background



This preview shows how the Yxy color 17.9713, 0.2708, 0.1701 looks on a white background.

Color Contrast Check

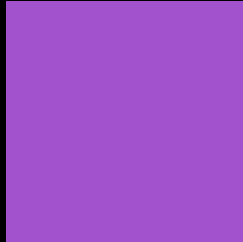
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.9713, 0.2708, 0.1701 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

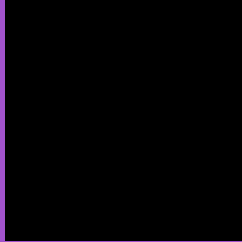
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.9713, 0.2708, 0.1701

Background



This preview shows how black text looks on a background with the Yxy color 17.9713, 0.2708, 0.1701.



This preview shows how white text looks on a background with the Yxy color 17.9713, 0.2708, 0.1701.

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

17.9713, 0.2708, 0.1701

Protanopia

18.4308, 0.1788, 0.1511

Deuteranopia

18.3487, 0.2037, 0.1982



Tritanopia

17.9562, 0.3579, 0.3153

Trichromacy



Original Color

17.9713, 0.2708, 0.1701



Protanomaly

16.5900, 0.1944, 0.1499



Deuteranomaly

17.1875, 0.2196, 0.1811



Tritanomaly

17.5173, 0.3231, 0.2506

Monochromacy



Original Color

17.9713, 0.2708, 0.1701



Achromatopsia

18.7821, 0.3127, 0.3290



Achromatomaly

17.6933, 0.2961, 0.2527

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.9713, 0.2708, 0.1701 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(161, 82, 204)` looks like.

```
.text, #text, p{  
    color:rgb(161, 82, 204)  
}
```

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(161, 82, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 82, 204) }
```

Border

The CSS property to change the border of an element to Yxy 17.9713, 0.2708, 0.1701 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(161, 82, 204) }
```

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

```
.border{ border-color:rgb(161, 82, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 82, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 82, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 82, 204);  
box-shadow:4px 4px 4px 4px rgb(161, 82,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 17.9713, 0.2708, 0.1701 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 82, 204) }
```

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

```
.background{ background-color: rgb(161, 82,  
204) }
```

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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