

Converting Colors

$Y_{xy}(21.7433, 0.2722, 0.2015)$

Have a look what the booklet for
Yxy(21.7433, 0.2722, 0.2015)
contains.

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Color

Yxy(21.7068, 0.2719, 0.2016)

Conversions

Conversions Part 1

Format	Color
Hex	9C6BC7
RGB	156, 107, 199
RGB Percent	61%, 42%, 78%
CMY	0.3883, 0.5804, 0.2195
CMYK	0.22, 0.46, 0.00, 0.22
HSL	272°, 45%, 60%
HSV	272°, 46%, 78%
XYZ	29.2762, 21.7068, 56.6896
YIQ	132.1390, -0.3280, 39.0000

Conversions

Conversions Part 2

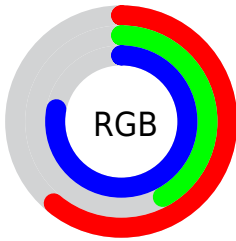
Format	Color
R_{YB}	156, 107, 199
Decimal	10251207
CIE _{Lab}	53.71, 37.18, -40.70
CIE _{LCh}	54, 55.123, 312.412
Yxy	21.7068, 0.2719, 0.2016
Android (android.graphics.Color)	4288441287 (0xFF9C6BC7)
YUV	132.1390, 32.9625, 20.9261
Hunter-Lab	46.5906, 30.6309, -39.5284

Details

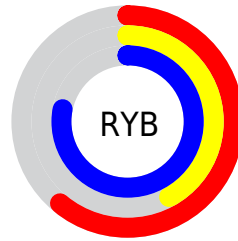
The Yxy color **21.7068, 0.2719, 0.2016** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **48.4038, 0.3382, 0.4590**, and the grayscale version is **23.0065, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.0133, 0.2823, 0.2255**, and **7.8952, 0.2539, 0.1656** is the 20% darker color. If you saturate the color by 10%, you get **17.1312, 0.2601, 0.1733**, and if you desaturate by 10%, it is **27.3102, 0.2828, 0.2308**.

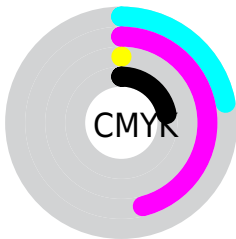
Distribution



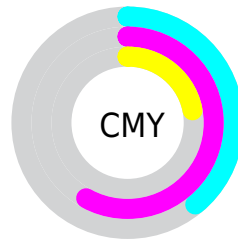
- Red (61%)
- Green (42%)
- Blue (78%)



- Red (61%)
- Yellow (42%)
- Blue (78%)



- Cyan (22%)
- Magenta (46%)
- Yellow (0%)
- Black (22%)




- Cyan (39%)
- Magenta (58%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.7068, 0.2719, 0.2016 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 21.7068, 0.2719, 0.2016 by changing the saturation by 10% instead.


 21.7068, 0.2719,
0.2016


 21.7068, 0.2719,
0.2016


261.0113, 0.2960,
0.2660


 13.6416, 0.2647,
0.1858


 46.2609, 0.2816,
0.2249


 7.8718, 0.2548,
0.1659


 63.5187, 0.2849,
0.2337

 4.0130, 0.2405,
0.1403


 84.6094, 0.2877,
0.2412

 1.6809, 0.2188,
0.1072

 109.9174, 0.2899,
0.2476

 0.4112, 0.1856,
0.0551

139.8273, 0.2918,
0.2531

 0.0000, 0.0871,
0.0000

174.7232, 0.2934,

 0.0000, 0.0000,

0.2579

0.0000

214.9898, 0.2948,
0.2622

■ 21.7068, 0.2719,
0.2016

■ 21.7068, 0.2719,
0.2016

■ 17.1312, 0.2601,
0.1733

■ 27.3102, 0.2828,
0.2308

■ 13.5127, 0.2477,
0.1474

■ 34.0005, 0.2926,
0.2598

■ 10.7758, 0.2353,
0.1252

■ 41.8352, 0.3013,
0.2876

■ 8.8315, 0.2233,
0.1078

■ 50.8669, 0.3087,
0.3137

■ 7.5670, 0.2122,
0.0959

■ 61.1449, 0.3150,
0.3378

7.1851, 0.2083,
0.0921

72.7157, 0.3202,
0.3598

85.6233, 0.3246,
0.3796

92.5410, 0.3297,
0.3870

94.1262, 0.3358,
0.3859

Harmonies

Analogous

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



21.7068, 0.1987, 0.1861



21.7068, 0.2719, 0.2016



21.7068, 0.3715, 0.2411

Triad

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



21.7068, 0.2719, 0.2016



21.7068, 0.4834, 0.4326



21.7068, 0.1770, 0.3368

Complementary

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



21.7068, 0.2719, 0.2016



48.4038, 0.3382, 0.4590

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.



21.7068, 0.2394, 0.4484



21.7068, 0.2719, 0.2016



21.7068, 0.4159, 0.4937

Square

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



21.7068, 0.2719, 0.2016



21.7068, 0.5059, 0.3636



21.7068, 0.3272, 0.5116



21.7068, 0.1514, 0.2464

Rectangle

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



21.7068, 0.2719, 0.2016



21.7068, 0.4372, 0.2776



21.7068, 0.3272, 0.5116



21.7068, 0.1939, 0.3744

Sweetspot

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



21.7077, 0.2719, 0.2016



76.2696, 0.3029, 0.2930



29.5379, 0.2386, 0.2561



15.6245, 0.3011, 0.2872



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.



21.7077, 0.2719, 0.2016



30.2960, 0.2606, 0.1745



26.7146, 0.3196, 0.2192



10.5607, 0.3065, 0.3057



4.6719, 0.2097, 0.0929



0.2640, 0.2319, 0.1051

Inverse Universe

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



24.8643, 0.3770, 0.2731



36.7736, 0.3975, 0.2628



45.0751, 0.3051, 0.4705



10.7181, 0.3218, 0.3182



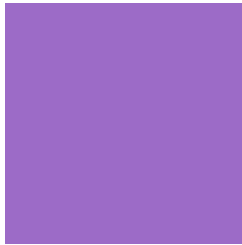
8.3340, 0.5075, 0.2570



0.4092, 0.4586, 0.2300

Previews

White Background



This preview shows how the Yxy color 21.7068, 0.2719, 0.2016 looks on a white background.

Color Contrast Check

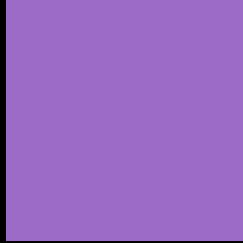
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 21.7068, 0.2719, 0.2016 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

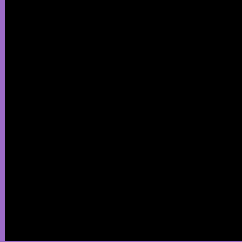
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.7068, 0.2719, 0.2016

Background



This preview shows how black text looks on a background with the Yxy color 21.7068, 0.2719, 0.2016.



This preview shows how white text looks on a background with the Yxy color 21.7068, 0.2719, 0.2016.

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

21.7068, 0.2719, 0.2016

Protanopia

22.1037, 0.2116, 0.1935

Deuteranopia

21.9199, 0.2270, 0.2212



Tritanopia

21.6048, 0.3295, 0.3122

Trichromacy



Original Color

21.7068, 0.2719, 0.2016

Protanomaly

21.4916, 0.2288, 0.1944

Deuteranomaly

21.2700, 0.2404, 0.2117

Tritanomaly

21.5124, 0.3073, 0.2670

Monochromacy



Original Color

21.7068, 0.2719, 0.2016

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

22.2289, 0.2980, 0.2752

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.7068, 0.2719, 0.2016 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(156, 107, 199)` looks like.

```
.text, #text, p{  
    color:rgb(156, 107, 199)  
}
```

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(156, 107, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 107, 199) }
```

Border

The CSS property to change the border of an element to Yxy 21.7068, 0.2719, 0.2016 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(156, 107, 199) }
```

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

```
.border{ border-color:rgb(156, 107, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 107, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 107, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 107, 199);  
box-shadow:4px 4px 4px 4px rgb(156, 107,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 21.7068, 0.2719, 0.2016 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 107, 199) }
```

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

```
.background{ background-color: rgb(156,  
107, 199) }
```

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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