

Converting Colors

$Y_{xy}(21.5309, 0.2781, 0.2070)$

Have a look what the booklet for
Yxy(21.5309, 0.2781, 0.2070)
contains.

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Color

Yxy(21.5785, 0.2775, 0.2072)

Conversions

Conversions Part 1

Format	Color
Hex	9D6BC2
RGB	157, 107, 194
RGB Percent	62%, 42%, 76%
CMY	0.3842, 0.5804, 0.2393
CMYK	0.19, 0.45, 0.00, 0.24
HSL	275°, 42%, 59%
HSV	275°, 45%, 76%
XYZ	28.8998, 21.5785, 53.6651
YIQ	131.8680, 1.8730, 37.6570

Conversions

Conversions Part 2

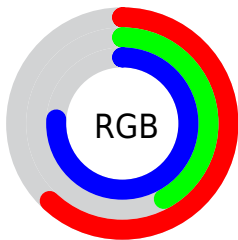
Format	Color
RYB	157, 107, 194
Decimal	10316738
CIELab	53.58, 36.32, -38.02
CIElCh	54, 52.580, 313.687
Yxy	21.5785, 0.2775, 0.2072
Android (android.graphics.Color)	4288506818 (0xFF9D6BC2)
YUV	131.8680, 30.6311, 22.0408
Hunter-Lab	46.4527, 29.7587, -35.9787

Details

The Yxy color **21.5785, 0.2775, 0.2072** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **45.5589, 0.3346, 0.4559**, and the grayscale version is **22.9124, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.9074, 0.2859, 0.2292**, and **7.8626, 0.2627, 0.1727** is the 20% darker color. If you saturate the color by 10%, you get **17.1769, 0.2669, 0.1795**, and if you desaturate by 10%, it is **26.9449, 0.2872, 0.2358**.

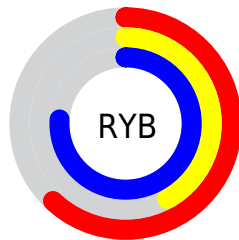
Distribution



Red (62%)

Green (42%)

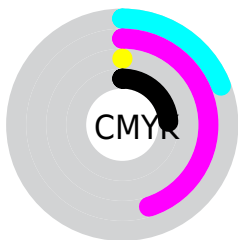
Blue (76%)



Red (62%)

Yellow (42%)

Blue (76%)

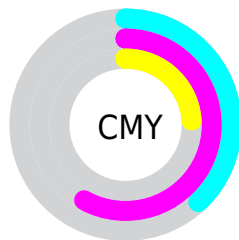


Cyan (19%)

Magenta (45%)

Yellow (0%)

Black (24%)



Cyan (38%)

Magenta (58%)


Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.5785, 0.2775, 0.2072 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 21.5785, 0.2775, 0.2072 by changing the saturation by 10% instead.


 21.5785, 0.2775,
0.2072


 21.5785, 0.2775,
0.2072


260.3371, 0.2986,
0.2692

 13.5475, 0.2711,
0.1918


 46.0484, 0.2860,
0.2298


 7.8066, 0.2622,
0.1722


 63.2560, 0.2890,
0.2383

 3.9715, 0.2491,
0.1469


 84.2914, 0.2913,
0.2454

 1.6576, 0.2289,
0.1135

 109.5388, 0.2933,
0.2516

 0.3960, 0.1976,
0.0585

139.3827, 0.2949,
0.2569

 0.0000, 0.0872,
0.0000

174.2074, 0.2963,

 0.0000, 0.0000,

0.2615

0.0000

214.3974, 0.2975,
0.2656

■ 21.5785, 0.2775,
0.2072

■ 21.5785, 0.2775,
0.2072

■ 17.1769, 0.2669,
0.1795

■ 26.9449, 0.2872,
0.2358

■ 13.6750, 0.2557,
0.1539

■ 33.3304, 0.2959,
0.2642

■ 11.0036, 0.2443,
0.1318


■ 40.7879, 0.3035,
0.2915


■ 9.0816, 0.2331,
0.1144


■ 49.3662, 0.3099,
0.3173


■ 7.8110, 0.2226,
0.1022


■ 59.1108, 0.3154,
0.3410

 7.3092, 0.2174,
0.0971

 70.0648, 0.3200,
0.3627

 82.2689, 0.3238,
0.3824

 91.0948, 0.3278,
0.3933

 92.4358, 0.3331,
0.3922

Harmonies

Analogous

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



21.5785, 0.2053, 0.1912



21.5785, 0.2775, 0.2072



21.5785, 0.3735, 0.2464

Triad

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



21.5785, 0.2775, 0.2072



21.5785, 0.4754, 0.4330



21.5785, 0.1805, 0.3326

Complementary

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



21.5785, 0.2775, 0.2072



45.5589, 0.3346, 0.4559

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.



21.5785, 0.2397, 0.4384



21.5785, 0.2775, 0.2072



21.5785, 0.4097, 0.4895

Square

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



21.5785, 0.2775, 0.2072



21.5785, 0.4983, 0.3665



21.5785, 0.3239, 0.5019



21.5785, 0.1566, 0.2475

Rectangle

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



21.5785, 0.2775, 0.2072



21.5785, 0.4354, 0.2824



21.5785, 0.3239, 0.5019



21.5785, 0.1964, 0.3680

Sweetspot

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



21.5794, 0.2775, 0.2072



76.3147, 0.3046, 0.2959



27.1757, 0.2397, 0.2517



15.9917, 0.3030, 0.2899



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.



21.5794, 0.2775, 0.2072



31.1157, 0.2669, 0.1794



25.6199, 0.3241, 0.2269



10.0275, 0.3071, 0.3058



4.8562, 0.2187, 0.0978



0.2497, 0.2412, 0.1102

Inverse Universe

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



23.9938, 0.3791, 0.2796



36.3577, 0.4022, 0.2697



42.8855, 0.3027, 0.4584



10.1473, 0.3224, 0.3193



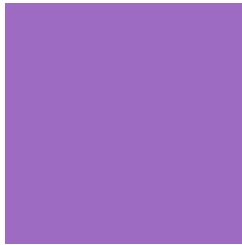
7.9613, 0.5251, 0.2666



0.3578, 0.4684, 0.2354

Previews

White Background



This preview shows how the Yxy color 21.5785, 0.2775, 0.2072 looks on a white background.

Color Contrast Check

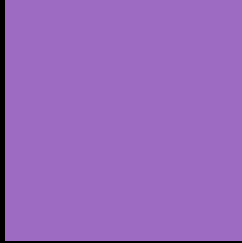
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.5785, 0.2775, 0.2072 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

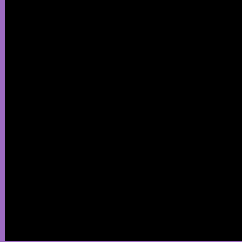
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.5785, 0.2775, 0.2072

Background



This preview shows how black text looks on a background with the Yxy color 21.5785, 0.2775, 0.2072.



This preview shows how white text looks on a background with the Yxy color 21.5785, 0.2775, 0.2072.

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

21.5785, 0.2775, 0.2072

Protanopia

21.9545, 0.2163, 0.2003

Deuteranopia

21.6632, 0.2327, 0.2265



Tritanopia

21.5165, 0.3333, 0.3123

Trichromacy



Original Color

21.5785, 0.2775, 0.2072

Protanomaly

21.3352, 0.2340, 0.2011

Deuteranomaly

21.2595, 0.2465, 0.2183

Tritanomaly

21.4032, 0.3119, 0.2688

Monochromacy



Original Color

21.5785, 0.2775, 0.2072

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

22.1952, 0.2990, 0.2767

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.5785, 0.2775, 0.2072 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(157, 107, 194)` looks like.

```
.text, #text, p{  
    color:rgb(157, 107, 194)  
}
```

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(157, 107, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 107, 194) }
```

Border

The CSS property to change the border of an element to Yxy 21.5785, 0.2775, 0.2072 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(157, 107, 194) }
```

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

```
.border{ border-color:rgb(157, 107, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 107, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 107, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 107, 194);  
box-shadow:4px 4px 4px 4px rgb(157, 107,  
194) }
```


Background

The CSS property to change the background color of an element to Yxy 21.5785, 0.2775, 0.2072 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 107, 194) }
```

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

```
.background{ background-color: rgb(157,  
107, 194) }
```

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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