

Converting Colors

$Y_{xy}(21.4545, 0.2701, 0.2138)$

Have a look what the booklet for
Yxy(21.4545, 0.2701, 0.2138)
contains.

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Color

Yxy(21.5530, 0.2701, 0.2138)

Conversions

Conversions Part 1

Format	Color
Hex	9370BF
RGB	147, 112, 191
RGB Percent	58%, 44%, 75%
CMY	0.4236, 0.5607, 0.2509
CMYK	0.23, 0.41, 0.00, 0.25
HSL	267°, 38%, 59%
HSV	267°, 41%, 75%
XYZ	27.2286, 21.5530, 52.0276
YIQ	131.4710, -4.4990, 31.9890

Conversions

Conversions Part 2

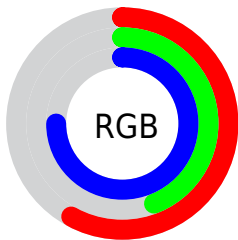
Format	Color
RYB	147, 112, 191
Decimal	9662655
CIELab	53.55, 29.83, -36.45
CIELCh	54, 47.095, 309.296
Yxy	21.5530, 0.2701, 0.2138
Android (android.graphics.Color)	4287852735 (0xFF9370BF)
YUV	131.4710, 29.3478, 13.6189
Hunter-Lab	46.4252, 23.4468, -33.9472

Details

The Yxy color **21.5530, 0.2701, 0.2138** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **45.5155, 0.3424, 0.4417**, and the grayscale version is **22.7683, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.8848, 0.2795, 0.2350**, and **7.7408, 0.2523, 0.1790** is the 20% darker color. If you saturate the color by 10%, you get **16.8365, 0.2566, 0.1837**, and if you desaturate by 10%, it is **27.2565, 0.2825, 0.2440**.

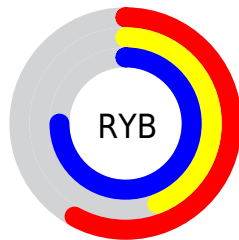
Distribution



Red (58%)

Green (44%)

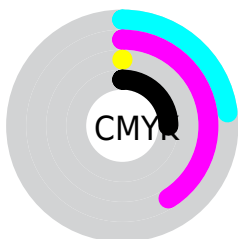
Blue (75%)



Red (58%)

Yellow (44%)

Blue (75%)

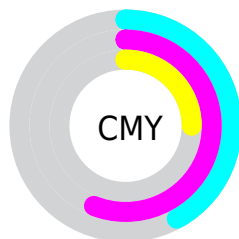


Cyan (23%)

Magenta (41%)

Yellow (0%)

Black (25%)



Cyan (42%)


Magenta (56%)


Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.5530, 0.2701, 0.2138 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 21.5530, 0.2701, 0.2138 by changing the saturation by 10% instead.


 21.5530, 0.2701,
0.2138


 21.5530, 0.2701,
0.2138


260.2030, 0.2949,
0.2731


 13.5288, 0.2628,
0.1988


 46.0061, 0.2800,
0.2356

 7.7937, 0.2527,
0.1796


 63.2038, 0.2834,
0.2437

 3.9632, 0.2381,
0.1544


 84.2281, 0.2862,
0.2506

 1.6530, 0.2157,
0.1207

 109.4634, 0.2885,
0.2564

 0.3929, 0.1815,
0.0632

139.2942, 0.2905,
0.2615

 0.0000, 0.0239,
0.0000

174.1048, 0.2922,

 0.0000, 0.0000,

0.2659

0.0000

214.2796, 0.2936,
0.2697

■ 21.5530, 0.2701,
0.2138

■ 21.5530, 0.2701,
0.2138

■ 16.8365, 0.2566,
0.1837

■ 27.2565, 0.2825,
0.2440

■ 13.0451, 0.2423,
0.1549

■ 33.9989, 0.2936,
0.2731

■ 10.1133, 0.2279,
0.1292

■ 41.8314, 0.3033,
0.3005

■ 7.9657, 0.2139,
0.1080

■ 50.8009, 0.3117,
0.3257

■ 6.5131, 0.2012,
0.0924

■ 60.9518, 0.3188,
0.3487

■ 5.6715, 0.1914,
0.0828

■ 72.3256, 0.3248,
0.3693

■ 84.9623, 0.3298,
0.3878

■ 92.4671, 0.3355,
0.3952

■ 94.3056, 0.3426,
0.3937

Harmonies

Analogous

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



21.5530, 0.2077, 0.2027



21.5530, 0.2701, 0.2138



21.5530, 0.3548, 0.2474

Triad

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



21.5530, 0.2701, 0.2138



21.5530, 0.4670, 0.4178



21.5530, 0.1989, 0.3469

Complementary

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



21.5530, 0.2701, 0.2138



45.5155, 0.3424, 0.4417

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.



21.5530, 0.2582, 0.4376



21.5530, 0.2701, 0.2138



21.5530, 0.4131, 0.4695

Square

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



21.5530, 0.2701, 0.2138



21.5530, 0.4785, 0.3568



21.5530, 0.3367, 0.4851



21.5530, 0.1711, 0.2656

Rectangle

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



21.5530, 0.2701, 0.2138



21.5530, 0.4116, 0.2796



21.5530, 0.3367, 0.4851



21.5530, 0.2154, 0.3784

Sweetspot

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



21.5539, 0.2701, 0.2138



73.6637, 0.3026, 0.2983



31.2490, 0.2483, 0.2760



15.7485, 0.3014, 0.2948



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



21.5539, 0.2701, 0.2138



30.5831, 0.2574, 0.1854



25.7619, 0.3116, 0.2268



9.4264, 0.3051, 0.3058



3.7725, 0.1928, 0.0836



0.1866, 0.2207, 0.0989

Inverse Universe

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



25.0725, 0.3583, 0.2698



38.0055, 0.3735, 0.2570



42.2426, 0.3107, 0.4535



9.6230, 0.3203, 0.3163



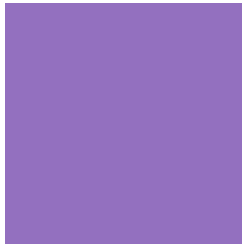
7.9862, 0.4695, 0.2360



0.3258, 0.4247, 0.2113

Previews

White Background



This preview shows how the Yxy color 21.5530, 0.2701, 0.2138 looks on a white background.

Color Contrast Check

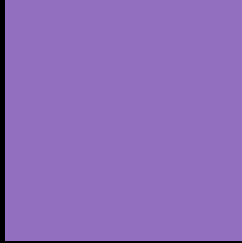
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.5530, 0.2701, 0.2138 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

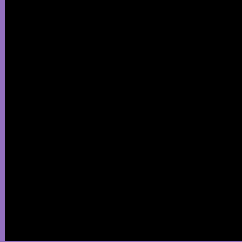
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.5530, 0.2701, 0.2138

Background



This preview shows how black text looks on a background with the Yxy color 21.5530, 0.2701, 0.2138.



This preview shows how white text looks on a background with the Yxy color 21.5530, 0.2701, 0.2138.

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

21.5530, 0.2701, 0.2138

Protanopia

21.8862, 0.2232, 0.2089

Deuteranopia

21.6931, 0.2354, 0.2295



Tritanopia

21.4549, 0.3171, 0.3117

Trichromacy



Original Color

21.5530, 0.2701, 0.2138

Protanomaly

21.5113, 0.2369, 0.2093

Deuteranomaly

21.5151, 0.2466, 0.2234

Tritanomaly

21.4622, 0.2990, 0.2717

Monochromacy



Original Color

21.5530, 0.2701, 0.2138

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

22.0336, 0.2966, 0.2808

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.5530, 0.2701, 0.2138 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(147, 112, 191)` looks like.

```
.text, #text, p{  
    color:rgb(147, 112, 191)  
}
```

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(147, 112, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 112, 191) }
```

Border

The CSS property to change the border of an element to Yxy 21.5530, 0.2701, 0.2138 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(147, 112, 191) }
```

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

```
.border{ border-color:rgb(147, 112, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 112, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 112, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 112, 191);  
box-shadow:4px 4px 4px 4px rgb(147, 112,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 21.5530, 0.2701, 0.2138 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 112, 191) }
```

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

```
.background{ background-color: rgb(147,  
112, 191) }
```

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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