

Converting Colors

$Y_{xy}(21.6386, 0.2678, 0.2271)$

Have a look what the booklet for
Yxy(21.6386, 0.2678, 0.2271)
contains.

Yxy(21.5865, 0.2677, 0.2266)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(21.5865, 0.2677, 0.2266)

Conversions

Conversions Part 1

Format	Color
Hex	8A75B8
RGB	138, 117, 184
RGB Percent	54%, 46%, 72%
CMY	0.4586, 0.5413, 0.2784
CMYK	0.25, 0.36, 0.00, 0.28
HSL	259°, 32%, 59%
HSV	259°, 36%, 72%
XYZ	25.5018, 21.5865, 48.1743
YIQ	130.9170, -8.9910, 25.2890

Conversions

Conversions Part 2

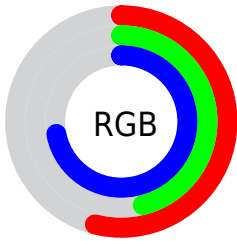
Format	Color
R _Y B	138, 117, 184
Decimal	9074104
CIE Lab	53.59, 22.55, -32.42
CIE LCh	54, 39.495, 304.819
Yxy	21.5865, 0.2677, 0.2266
Android (android.graphics.Color)	4287264184 (0xFF8A75B8)
YUV	130.9170, 26.1699, 6.2118
Hunter-Lab	46.4613, 16.6683, -28.9531

Details

The Yxy color $21.5865, 0.2677, 0.2266$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $43.3477, 0.3471, 0.4245$, and the grayscale version is $22.5755, 0.3127, 0.3290$.

A 20% lighter version of the original color is $46.0047, 0.2783, 0.2467$, and $7.7514, 0.2488, 0.1928$ is the 20% darker color. If you saturate the color by 10%, you get $16.6988, 0.2519, 0.1948$, and if you desaturate by 10%, it is $27.4437, 0.2822, 0.2575$.

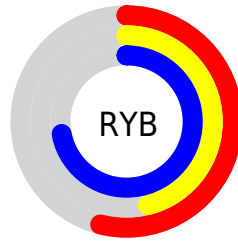
Distribution



Red (54%)

Green (46%)

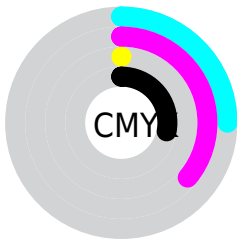
Blue (72%)



Red (54%)

Yellow (46%)

Blue (72%)

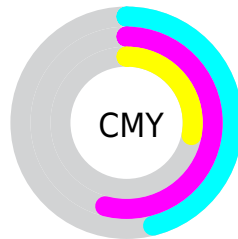


Cyan (25%)

Magenta (36%)

Yellow (0%)

Black (28%)



Cyan (46%)

Magenta (54%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.5865, 0.2677, 0.2266 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 21.5865, 0.2677, 0.2266 by changing the saturation by 10% instead.

■ 21.5865, 0.2677,
0.2266

■ 21.5865, 0.2677,
0.2266

260.3792, 0.2935,
0.2803

■ 13.5534, 0.2602,
0.2126

■ 46.0616, 0.2779,
0.2466

■ 7.8107, 0.2498,
0.1945

■ 63.2724, 0.2814,
0.2540

■ 3.9741, 0.2348,
0.1702

■ 84.3112, 0.2844,
0.2601

■ 1.6591, 0.2118,
0.1367

109.5624, 0.2868,
0.2654

■ 0.3969, 0.1764,
0.0753

139.4104, 0.2889,
0.2699

■ 0.0000, 0.0000,
0.0000

174.2396, 0.2906,

0.2738

214.4344, 0.2921,
0.2772

■ 21.5865, 0.2677,
0.2266

■ 21.5865, 0.2677,
0.2266

■ 16.6988, 0.2519,
0.1948

■ 27.4437, 0.2822,
0.2575

■ 12.7240, 0.2352,
0.1634

■ 34.3173, 0.2950,
0.2865

■ 9.6038, 0.2184,
0.1341


■ 42.2545, 0.3063,
0.3132

■ 7.2716, 0.2023,
0.1088


■ 51.2985, 0.3160,
0.3373


■ 5.6506, 0.1878,
0.0892

■ 61.4902, 0.3243,
0.3588


 4.6400, 0.1758,
0.0760

 72.8683, 0.3313,
0.3779

 4.3565, 0.1720,
0.0721

 85.4698, 0.3373,
0.3948

 93.3273, 0.3441,
0.4014

 95.5998, 0.3526,
0.3994

Harmonies

Analogous

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



21.5865, 0.2167, 0.2206



21.5865, 0.2677, 0.2266



21.5865, 0.3377, 0.2534

Triad

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



21.5865, 0.2677, 0.2266



21.5865, 0.4484, 0.4006



21.5865, 0.2222, 0.3565

Complementary

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



21.5865, 0.2677, 0.2266



43.3477, 0.3471, 0.4245

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.



21.5865, 0.2774, 0.4270



21.5865, 0.2677, 0.2266



21.5865, 0.4086, 0.4445

Square

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



21.5865, 0.2677, 0.2266



21.5865, 0.4496, 0.3477



21.5865, 0.3457, 0.4598



21.5865, 0.1927, 0.2857

Rectangle

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



21.5865, 0.2677, 0.2266



21.5865, 0.3859, 0.2805



21.5865, 0.3457, 0.4598



21.5865, 0.2381, 0.3820

Sweetspot

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



21.5874, 0.2677, 0.2266



69.5000, 0.3011, 0.3008



33.7568, 0.2580, 0.2979



14.5693, 0.2996, 0.2972



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



21.5874, 0.2677, 0.2266



31.6467, 0.2547, 0.2002



24.7925, 0.3022, 0.2362



8.8528, 0.3032, 0.3057



3.0359, 0.1732, 0.0728



0.1410, 0.2037, 0.0896

Inverse Universe

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



25.5513, 0.3406, 0.2659



40.0694, 0.3492, 0.2517



40.3449, 0.3184, 0.4338



9.1134, 0.3184, 0.3135



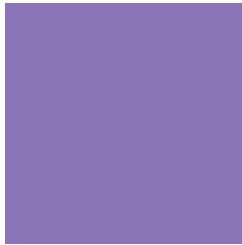
8.0770, 0.4185, 0.2079



0.2954, 0.3877, 0.1909

Previews

White Background



This preview shows how the Yxy color 21.5865, 0.2677, 0.2266 looks on a white background.

Color Contrast Check

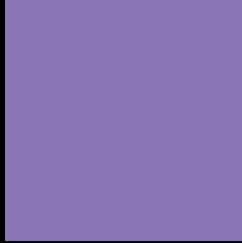
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.5865, 0.2677, 0.2266 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

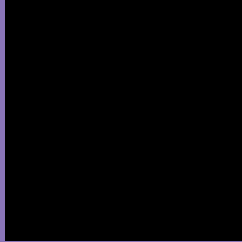
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.5865, 0.2677, 0.2266

Background



This preview shows how black text looks on a background with the Yxy color 21.5865, 0.2677, 0.2266.



This preview shows how white text looks on a background with the Yxy color 21.5865, 0.2677, 0.2266.

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

21.5865, 0.2677, 0.2266

Protanopia

21.7475, 0.2355, 0.2246

Deuteranopia

21.7443, 0.2435, 0.2383



Tritanopia

21.6520, 0.3043, 0.3114

Trichromacy



Original Color

21.5865, 0.2677, 0.2266

Protanomaly

21.6483, 0.2467, 0.2260

Deuteranomaly

21.5068, 0.2513, 0.2326

Tritanomaly

21.4045, 0.2900, 0.2767

Monochromacy



Original Color

21.5865, 0.2677, 0.2266

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

22.1920, 0.2964, 0.2885

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.5865, 0.2677, 0.2266 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(138, 117, 184)` looks like.

```
.text, #text, p{  
    color:rgb(138, 117, 184)  
}
```

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(138, 117, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 117, 184) }
```

Border

The CSS property to change the border of an element to Yxy 21.5865, 0.2677, 0.2266 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(138, 117, 184) }
```

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

```
.border{ border-color:rgb(138, 117, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 117, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 117, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 117, 184);  
box-shadow:4px 4px 4px 4px rgb(138, 117,  
184) }
```


Background

The CSS property to change the background color of an element to Yxy 21.5865, 0.2677, 0.2266 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 117, 184) }
```

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

```
.background{ background-color: rgb(138,  
117, 184) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor