

Converting Colors

$Y_{xy}(21.6398, 0.2738, 0.2433)$

Have a look what the booklet for
Yxy(21.6398, 0.2738, 0.2433)
contains.

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Color

Yxy(21.6398, 0.2738, 0.2433)

Conversions

Conversions Part 1

Format	Color
Hex	8778AE
RGB	135, 120, 174
RGB Percent	53%, 47%, 68%
CMY	0.4705, 0.5294, 0.3175
CMYK	0.22, 0.31, 0.00, 0.32
HSL	257°, 25%, 58%
HSV	257°, 31%, 68%
XYZ	24.3526, 21.6398, 42.9505
YIQ	130.6410, -8.3940, 19.9740

Conversions

Conversions Part 2

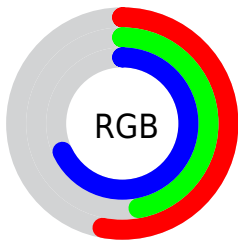
Format	Color
R _Y B	135, 120, 174
Decimal	8878254
CIE Lab	53.64, 17.39, -26.60
CIE LCh	54, 31.781, 303.163
Yxy	21.6398, 0.2738, 0.2433
Android (android.graphics.Color)	4287068334 (0xFF8778AE)
YUV	130.6410, 21.3760, 3.8228
Hunter-Lab	46.5186, 12.0375, -22.1793

Details

The Yxy color $21.6398, 0.2738, 0.2433$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $39.0082, 0.3441, 0.4089$, and the grayscale version is $22.4886, 0.3127, 0.3290$.

A 20% lighter version of the original color is $46.0370, 0.2823, 0.2598$, and $7.7718, 0.2584, 0.2145$ is the 20% darker color. If you saturate the color by 10%, you get $16.8472, 0.2580, 0.2116$, and if you desaturate by 10%, it is $27.3177, 0.2881, 0.2734$.

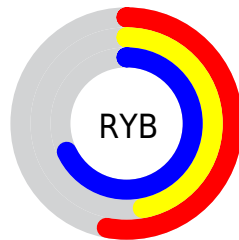
Distribution



Red (53%)

Green (47%)

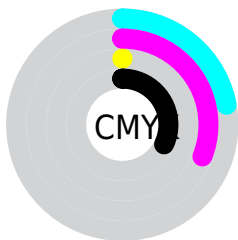
Blue (68%)



Red (53%)

Yellow (47%)

Blue (68%)

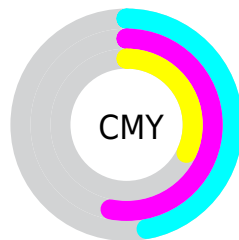


Cyan (22%)

Magenta (31%)

Yellow (0%)

Black (32%)



Cyan (47%)

Magenta (53%)

Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.6398, 0.2738, 0.2433 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 21.6398, 0.2738, 0.2433 by changing the saturation by 10% instead.

■ 21.6398, 0.2738,
0.2433

■ 21.6398, 0.2738,
0.2433

260.6594, 0.2960,
0.2890

■ 13.5925, 0.2672,
0.2310

■ 46.1499, 0.2826,
0.2605

■ 7.8378, 0.2582,
0.2149

■ 63.3815, 0.2857,
0.2668

■ 3.9913, 0.2449,
0.1927

■ 84.4434, 0.2882,
0.2721

■ 1.6687, 0.2240,
0.1607

109.7198, 0.2903,
0.2765

■ 0.4033, 0.1914,
0.0955

139.5952, 0.2921,
0.2803

■ 0.0000, 0.0000,
0.0000

174.4540, 0.2936,

0.2836

214.6806, 0.2949,
0.2865

■ 21.6398, 0.2738,
0.2433

■ 21.6398, 0.2738,
0.2433

■ 16.8472, 0.2580,
0.2116

■ 27.3177, 0.2881,
0.2734

■ 12.8920, 0.2411,
0.1794

■ 33.9206, 0.3007,
0.3013

■ 9.7252, 0.2237,
0.1484

■ 41.4888, 0.3117,
0.3265

■ 7.2918, 0.2066,
0.1203

■ 50.0593, 0.3211,
0.3491

■ 5.5295, 0.1909,
0.0971

■ 59.6674, 0.3291,
0.3691

■ 4.3651, 0.1776,
0.0802

■ 70.3464, 0.3360,
0.3868

■ 3.6954, 0.1679,
0.0699

■ 82.1283, 0.3417,
0.4024

■ 92.3268, 0.3476,
0.4123

■ 94.5473, 0.3561,
0.4099

Harmonies

Analogous

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



21.6398, 0.2321, 0.2399



21.6398, 0.2738, 0.2433



21.6398, 0.3302, 0.2650

Triad

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



21.6398, 0.2738, 0.2433



21.6398, 0.4240, 0.3878



21.6398, 0.2413, 0.3550

Complementary

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



21.6398, 0.2738, 0.2433



39.0082, 0.3441, 0.4089

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.



21.6398, 0.2882, 0.4083



21.6398, 0.2738, 0.2433



21.6398, 0.3945, 0.4224

Square

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



21.6398, 0.2738, 0.2433



21.6398, 0.4218, 0.3440



21.6398, 0.3443, 0.4332



21.6398, 0.2146, 0.2982

Rectangle

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



21.6398, 0.2738, 0.2433



21.6398, 0.3689, 0.2875



21.6398, 0.3443, 0.4332



21.6398, 0.2551, 0.3745

Sweetspot

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



21.6407, 0.2738, 0.2433



63.9666, 0.3029, 0.3062



32.0583, 0.2663, 0.3061



13.8020, 0.3012, 0.3025



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



21.6407, 0.2738, 0.2433



33.3253, 0.2635, 0.2225



24.1084, 0.3022, 0.2500



7.8610, 0.3027, 0.3059



2.7057, 0.1689, 0.0704



0.1029, 0.2031, 0.0893

Inverse Universe

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



24.9355, 0.3331, 0.2729



40.3012, 0.3387, 0.2608



36.5919, 0.3195, 0.4154



8.1095, 0.3178, 0.3128



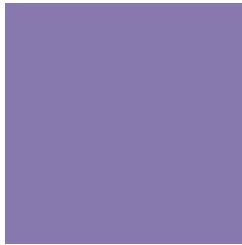
7.6223, 0.4049, 0.2004



0.2207, 0.3743, 0.1836

Previews

White Background



This preview shows how the Yxy color 21.6398, 0.2738, 0.2433 looks on a white background.

Color Contrast Check

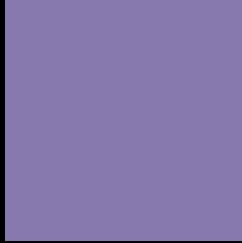
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.6398, 0.2738, 0.2433 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

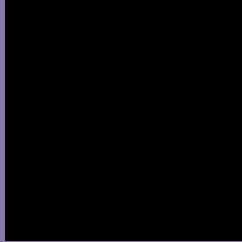
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.6398, 0.2738, 0.2433

Background



This preview shows how black text looks on a background with the Yxy color 21.6398, 0.2738, 0.2433.



This preview shows how white text looks on a background with the Yxy color 21.6398, 0.2738, 0.2433.

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

21.6398, 0.2738, 0.2433

Protanopia

21.6211, 0.2488, 0.2414

Deuteranopia

21.6518, 0.2570, 0.2506



Tritanopia

21.5741, 0.3031, 0.3113

Trichromacy



Original Color

21.6398, 0.2738, 0.2433

Protanomaly

21.5827, 0.2571, 0.2424

Deuteranomaly

21.6434, 0.2632, 0.2486

Tritanomaly

21.4426, 0.2930, 0.2846

Monochromacy



Original Color

21.6398, 0.2738, 0.2433

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

22.1909, 0.2972, 0.2948

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.6398, 0.2738, 0.2433 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(135, 120, 174)` looks like.

```
.text, #text, p{  
    color:rgb(135, 120, 174)  
}
```

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(135, 120, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 120, 174) }
```

Border

The CSS property to change the border of an element to Yxy 21.6398, 0.2738, 0.2433 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(135, 120, 174) }
```

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

```
.border{ border-color:rgb(135, 120, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 120, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 120, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 120, 174);  
box-shadow:4px 4px 4px 4px rgb(135, 120,  
174) }
```


Background

The CSS property to change the background color of an element to Yxy 21.6398, 0.2738, 0.2433 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 120, 174) }
```

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

```
.background{ background-color: rgb(135,  
120, 174) }
```

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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