

Converting Colors

$Y_{xy}(21.6834, 0.2923, 0.2757)$

Have a look what the booklet for
Yxy(21.6834, 0.2923, 0.2757)
contains.

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Color

Yxy(21.6834, 0.2923, 0.2757)

Conversions

Conversions Part 1

Format	Color
Hex	877B9B
RGB	135, 123, 155
RGB Percent	53%, 48%, 61%
CMY	0.4706, 0.5176, 0.3922
CMYK	0.13, 0.21, 0.00, 0.39
HSL	262°, 14%, 55%
HSV	262°, 21%, 61%
XYZ	22.9890, 21.6834, 33.9762
YIQ	130.2360, -3.1200, 12.4960

Conversions

Conversions Part 2

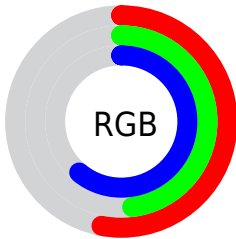
Format	Color
R_{YB}	135, 123, 155
Decimal	8879003
CIE _{Lab}	53.69, 11.14, -15.50
CIE _{LCh}	54, 19.090, 305.710
Y _{xy}	21.6834, 0.2923, 0.2757
Android (android.graphics.Color)	4287069083 (0xFF877B9B)
YUV	130.2360, 12.2087, 4.1780
Hunter-Lab	46.5654, 6.6344, -10.6648

Details

The Yxy color $21.6834, 0.2923, 0.2757$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $30.7066, 0.3303, 0.3810$, and the grayscale version is $22.3679, 0.3127, 0.3290$.

A 20% lighter version of the original color is $45.9548, 0.2970, 0.2868$, and $7.8283, 0.2834, 0.2552$ is the 20% darker color. If you saturate the color by 10%, you get $17.3710, 0.2802, 0.2467$, and if you desaturate by 10%, it is $26.6795, 0.3030, 0.3028$.

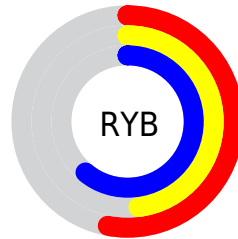
Distribution



Red (53%)

Green (48%)

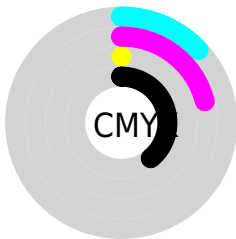
Blue (61%)



Red (53%)

Yellow (48%)

Blue (61%)

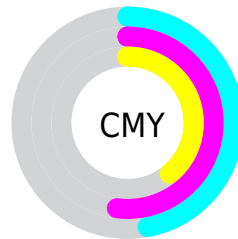


Cyan (13%)

Magenta (21%)

Yellow (0%)

Black (39%)



Cyan (47%)

Magenta (52%)

Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.6834, 0.2923, 0.2757 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 21.6834, 0.2923, 0.2757 by changing the saturation by 10% instead.

■ 21.6834, 0.2923,
0.2757

■ 21.6834, 0.2923,
0.2757

260.8884, 0.3040,
0.3048

■ 13.6245, 0.2888,
0.2675

■ 46.2222, 0.2970,
0.2869

■ 7.8599, 0.2838,
0.2564

■ 63.4708, 0.2986,
0.2909

■ 4.0055, 0.2763,
0.2405

■ 84.5514, 0.2999,
0.2943

■ 1.6766, 0.2638,
0.2160

109.8484, 0.3010,
0.2970

■ 0.4084, 0.2432,
0.1505

139.7462, 0.3020,
0.2994

■ 0.0000, 0.0000,
0.0000

174.6292, 0.3027,

0.3015

214.8818, 0.3034,
0.3033

■ 21.6834, 0.2923,
0.2757

■ 21.6834, 0.2923,
0.2757

■ 17.3710, 0.2802,
0.2467

■ 26.6795, 0.3030,
0.3028

■ 13.7091, 0.2666,
0.2164

■ 32.3852, 0.3122,
0.3275

■ 10.6656, 0.2519,
0.1857

■ 38.8283, 0.3201,
0.3499

■ 8.2049, 0.2365,
0.1561

■ 46.0343, 0.3268,
0.3699

■ 6.2871, 0.2210,
0.1291

■ 54.0273, 0.3324,
0.3878

■ 4.8675, 0.2061,
0.1064

■ 62.8306, 0.3372,
0.4036

■ 3.8937, 0.1927,
0.0893

■ 72.4664, 0.3412,
0.4176

■ 3.2684, 0.1818,
0.0775

■ 82.9561, 0.3445,
0.4300

■ 89.4459, 0.3492,
0.4347

Harmonies

Analogous

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



21.6834, 0.2647, 0.2732



21.6834, 0.2923, 0.2757



21.6834, 0.3270, 0.2905

Triad

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



21.6834, 0.2923, 0.2757



21.6834, 0.3792, 0.3693



21.6834, 0.2673, 0.3422

Complementary

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



21.6834, 0.2923, 0.2757



30.7066, 0.3303, 0.3810

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.



21.6834, 0.2961, 0.3726



21.6834, 0.2923, 0.2757



21.6834, 0.3611, 0.3872

Square

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



21.6834, 0.2923, 0.2757



21.6834, 0.3787, 0.3426



21.6834, 0.3304, 0.3894



21.6834, 0.2509, 0.3095

Rectangle

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



21.6834, 0.2923, 0.2757



21.6834, 0.3494, 0.3057



21.6834, 0.3304, 0.3894



21.6834, 0.2758, 0.3532

Sweetspot

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



21.6843, 0.2923, 0.2757



52.2451, 0.3073, 0.3142



26.3003, 0.2815, 0.3092



11.6895, 0.3067, 0.3127



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



21.6843, 0.2923, 0.2757



34.9419, 0.2866, 0.2618



23.0864, 0.3101, 0.2785



6.1335, 0.3043, 0.3064



2.6462, 0.1826, 0.0780



0.0593, 0.2308, 0.1045

Inverse Universe

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



23.1179, 0.3286, 0.2972



38.0424, 0.3332, 0.2894



29.4002, 0.3143, 0.3836



6.2843, 0.3191, 0.3152



6.2964, 0.4405, 0.2200



0.1011, 0.3782, 0.1857

Previews

White Background



This preview shows how the Yxy color 21.6834, 0.2923, 0.2757 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 21.6834, 0.2923, 0.2757 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

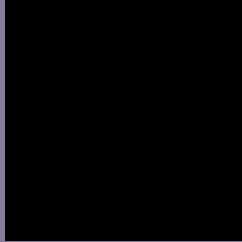
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.6834, 0.2923, 0.2757

Background



This preview shows how black text looks on a background with the Yxy color 21.6834, 0.2923, 0.2757.



This preview shows how white text looks on a background with the Yxy color 21.6834, 0.2923, 0.2757.

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

21.6834, 0.2923, 0.2757

Protanopia

21.7123, 0.2748, 0.2757

Deuteranopia

21.5895, 0.2857, 0.2795



Tritanopia

21.6048, 0.3088, 0.3115

Trichromacy



Original Color

21.6834, 0.2923, 0.2757

Protanomaly

21.7917, 0.2808, 0.2763

Deuteranomaly

21.5737, 0.2889, 0.2783

Tritanomaly

21.6369, 0.3025, 0.2980

Monochromacy



Original Color

21.6834, 0.2923, 0.2757

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

21.9484, 0.3056, 0.3081

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.6834, 0.2923, 0.2757 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, 123, 155)` looks like.

```
.text, #text, p{  
    color:rgb(135, 123, 155)  
}
```

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, 123, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 123, 155) }
```

Border

The CSS property to change the border of an element to Yxy 21.6834, 0.2923, 0.2757 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, 123, 155) }
```

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

```
.border{ border-color:rgb(135, 123, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 123, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 123, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 123, 155);  
box-shadow:4px 4px 4px 4px rgb(135, 123,  
155) }
```


Background

The CSS property to change the background color of an element to Yxy 21.6834, 0.2923, 0.2757 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 123, 155) }
```

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

```
.background{ background-color: rgb(135,  
123, 155) }
```

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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