

Converting Colors

$Y_{xy}(21.8568, 0.2545, 0.2848)$

Have a look what the booklet for
Yxy(21.8568, 0.2545, 0.2848)
contains.

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Color

Yxy(21.7851, 0.2538, 0.2837)

Conversions

Conversions Part 1

Format	Color
Hex	61859E
RGB	97, 133, 158
RGB Percent	38%, 52%, 62%
CMY	0.6195, 0.4784, 0.3805
CMYK	0.39, 0.16, 0.00, 0.38
HSL	205°, 24%, 50%
HSV	205°, 39%, 62%
XYZ	19.4891, 21.7851, 35.5150
YIQ	125.0860, -29.4810, 0.1430

Conversions

Conversions Part 2

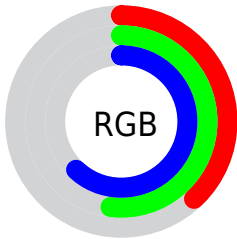
Format	Color
R _Y B	97, 120, 158
Decimal	6391198
CIE Lab	53.80, -6.01, -17.33
CIE LCh	54, 18.344, 250.864
Yxy	21.7851, 0.2538, 0.2837
Android (android.graphics.Color)	4284581278 (0xFF61859E)
YUV	125.0860, 16.2266, -24.6314
Hunter-Lab	46.6745, -7.1471, -12.4421

Details

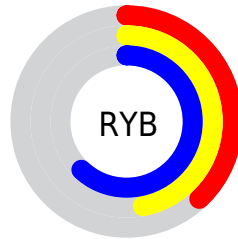
The Yxy color **21.7851, 0.2538, 0.2837** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **22.0501, 0.3894, 0.3699**, and the grayscale version is **20.4922, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.4059, 0.2663, 0.2933**, and **7.9830, 0.2316, 0.2659** is the 20% darker color. If you saturate the color by 10%, you get **19.2842, 0.2391, 0.2695**, and if you desaturate by 10%, it is **24.5698, 0.2690, 0.2970**.

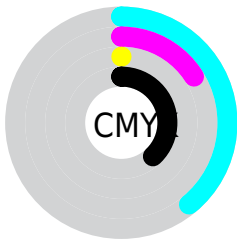
Distribution



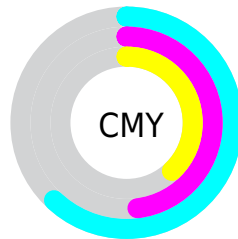
- Red (38%)
- Green (52%)
- Blue (62%)



- Red (38%)
- Yellow (47%)
- Blue (62%)



- Cyan (39%)
- Magenta (16%)
- Yellow (0%)
- Black (38%)



- Cyan (62%)
- Magenta (48%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.7851, 0.2538, 0.2837 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 21.7851, 0.2538, 0.2837 by changing the saturation by 10% instead.

■ 21.7851, 0.2538,
0.2837

■ 21.7851, 0.2538,
0.2837

261.4220, 0.2863,
0.3093

■ 13.6991, 0.2446,
0.2762

■ 46.3906, 0.2664,
0.2938

■ 7.9117, 0.2319,
0.2657

■ 63.6788, 0.2709,
0.2973

■ 4.0385, 0.2138,
0.2504

■ 84.8032, 0.2746,
0.3002

■ 1.6951, 0.1859,
0.2259

■ 110.1482, 0.2777,
0.3026

■ 0.4205, 0.1000,
0.1663

140.0982, 0.2804,
0.3047

■ 0.0000, 0.0000,
0.0000

175.0375, 0.2826,

0.3064

215.3507, 0.2846,
0.3080

■ 21.7851, 0.2538,
0.2837

■ 21.7851, 0.2538,
0.2837

■ 19.2842, 0.2391,
0.2695

■ 24.5698, 0.2690,
0.2970

■ 17.0523, 0.2254,
0.2546

■ 27.6471, 0.2845,
0.3092

■ 15.0768, 0.2131,
0.2391

■ 31.0286, 0.2998,
0.3203

■ 13.3427, 0.2025,
0.2235

■ 34.7241, 0.3148,
0.3304

■ 11.8330, 0.1940,
0.2079

■ 38.7432, 0.3293,
0.3393

■ 10.5161, 0.1872,
0.1927

■ 43.0950, 0.3432,
0.3473

■ 10.3390, 0.1863,
0.1906

■ 47.7880, 0.3563,
0.3543

■ 52.8307, 0.3687,
0.3605

■ 58.2309, 0.3803,
0.3659

Harmonies

Analogous

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



21.7851, 0.2520, 0.3055



21.7851, 0.2538, 0.2837



21.7851, 0.2703, 0.2749

Triad

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



21.7851, 0.2538, 0.2837



21.7851, 0.3616, 0.3196



21.7851, 0.3241, 0.3853

Complementary

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



21.7851, 0.2538, 0.2837



22.0501, 0.3894, 0.3699

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.



21.7851, 0.3548, 0.3865



21.7851, 0.2538, 0.2837



21.7851, 0.3775, 0.3469

Square

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



21.7851, 0.2538, 0.2837



21.7851, 0.3322, 0.2954



21.7851, 0.3747, 0.3715



21.7851, 0.2915, 0.3664

Rectangle

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



21.7851, 0.2538, 0.2837



21.7851, 0.2882, 0.2765



21.7851, 0.3747, 0.3715



21.7851, 0.3350, 0.3878

Sweetspot

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



21.7859, 0.2538, 0.2837



54.0569, 0.2942, 0.3164



28.3794, 0.2881, 0.3962



12.0190, 0.2924, 0.3151



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



21.7859, 0.2538, 0.2837



35.7610, 0.2415, 0.2720



14.7353, 0.2455, 0.2266



7.0532, 0.2988, 0.3196



8.3618, 0.1866, 0.1918



0.2314, 0.2035, 0.2526

Inverse Universe

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



17.5145, 0.3505, 0.2715



27.4999, 0.3620, 0.2594



30.5487, 0.3723, 0.4141



6.7085, 0.3197, 0.3159



6.4663, 0.4546, 0.2278



0.1239, 0.3896, 0.1920

Previews

White Background



This preview shows how the Yxy color 21.7851, 0.2538, 0.2837 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 21.7851, 0.2538, 0.2837 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

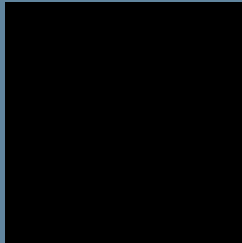
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

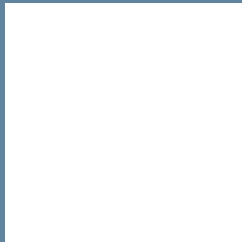
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 21.7851, 0.2538, 0.2837

Background



This preview shows how black text looks on a background with the Yxy color 21.7851, 0.2538, 0.2837.



This preview shows how white text looks on a background with the Yxy color 21.7851, 0.2538, 0.2837.

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

21.7851, 0.2538, 0.2837

Protanopia

21.6494, 0.2796, 0.2822

Deuteranopia

21.8197, 0.2770, 0.2715



Tritanopia

21.7830, 0.2613, 0.3082

Trichromacy



Original Color

21.7851, 0.2538, 0.2837

Protanomaly

21.5778, 0.2699, 0.2830

Deuteranomaly

21.8486, 0.2683, 0.2768

Tritanomaly

21.6851, 0.2587, 0.2992

Monochromacy



Original Color

21.7851, 0.2538, 0.2837

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

20.8893, 0.2887, 0.3124

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.7851, 0.2538, 0.2837 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(97, 133, 158)` looks like.

```
.text, #text, p{  
    color:rgb(97, 133, 158)  
}
```

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(97, 133, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 133, 158) }
```

Border

The CSS property to change the border of an element to Yxy 21.7851, 0.2538, 0.2837 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(97, 133, 158) }
```

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

```
.border{ border-color:rgb(97, 133, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 133, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 133, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 133, 158);  
box-shadow:4px 4px 4px 4px rgb(97, 133,  
158) }
```


Background

The CSS property to change the background color of an element to Yxy 21.7851, 0.2538, 0.2837 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 133, 158) }
```

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

```
.background{ background-color: rgb(97, 133,  
158) }
```

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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