Converting Colors

Yxy(21.8513, 0.2467, 0.2363)

Have a look what the booklet for Yxy(21.8513, 0.2467, 0.2363) contains.

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Color

Yxy(21.8513, 0.2467, 0.2363)

Conversions

Conversions Part 1

Format	Color
Hex	717EB7
RGB	113, 126, 183
RGB Percent	44%, 49%, 72%
CMY	0.5570, 0.5058, 0.2824
CMYK	0.38, 0.31, 0.00, 0.28
HSL	229°, 33%, 58%
HSV	229°, 38%, 72%
XYZ	22.8130, 21.8513, 47.8084
YIQ	128.6110, -26.0450, 14.9710

Conversions

Conversions Part 2

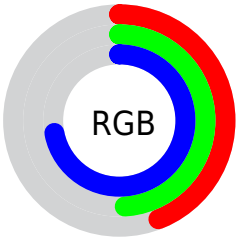
Format	Color
RYB	113, 124, 183
Decimal	7438007
CIELab	53.87, 9.57, -31.55
CIELCh	54, 32.969, 286.878
Yxy	21.8513, 0.2467, 0.2363
Android (android.graphics.Color)	4285628087 (0xFF717EB7)
YUV	128.6110, 26.8138, -13.6908
Hunter-Lab	46.7454, 5.3085, -27.9165

Details

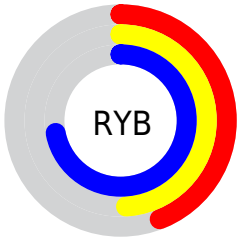
The Yxy color 21.8513, 0.2467, 0.2363 is a dark color, and the websafe version is hex 666699. A complement of this color would be 39.9816, 0.3753, 0.4070, and the grayscale version is 21.7197, 0.3127, 0.3290.

A 20% lighter version of the original color is 46.6877, 0.2610, 0.2558, and 7.9116, 0.2224, 0.2044 is the 20% darker color. If you saturate the color by 10%, you get 17.2300, 0.2273, 0.2069, and if you desaturate by 10%, it is 27.2855, 0.2657, 0.2640.

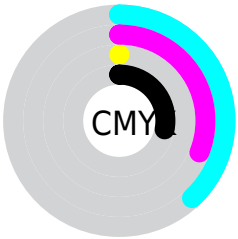
Distribution



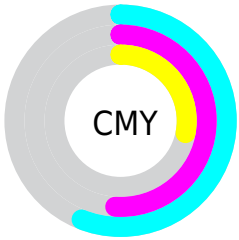
- Red (44%)
- Green (49%)
- Blue (72%)



- Red (44%)
- Yellow (49%)
- Blue (72%)



- Cyan (38%)
- Magenta (31%)
- Yellow (0%)
- Black (28%)



- Cyan (56%)
- Magenta (51%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.8513, 0.2467, 0.2363 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 21.8513, 0.2467, 0.2363 by changing the saturation by 10% instead.

21.8513, 0.2467, 0.2363

21.8513, 0.2467, 0.2363

261.7687, 0.2832, 0.2859

13.7477, 0.2365, 0.2230

46.5001, 0.2608, 0.2550

7.9454, 0.2227, 0.2056

63.8141, 0.2659, 0.2619

4.0600, 0.2033, 0.1818

84.9670, 0.2700, 0.2675

1.7072, 0.1747, 0.1483

110.3431, 0.2735, 0.2724

0.4283, 0.1295, 0.0866

140.3270, 0.2765, 0.2765

0.0000, 0.0000, 0.0000

175.3030, 0.2790,

0.2800

215.6554, 0.2813, 0.2832

21.8513, 0.2467, 0.2363

21.8513, 0.2467, 0.2363

17.2300, 0.2273, 0.2069

27.2855, 0.2657, 0.2640

13.3795, 0.2082, 0.1768

33.5672, 0.2836, 0.2894

10.2573, 0.1906, 0.1474

40.7317, 0.3001, 0.3121

7.8159, 0.1754, 0.1204

48.8118, 0.3152, 0.3323

6.0015, 0.1638, 0.0976

57.8386, 0.3288, 0.3500

4.7428, 0.1560, 0.0801

4.5690, 0.1549, 0.0776

67.8414, 0.3408, 0.3654

78.8486, 0.3516, 0.3787

90.0527, 0.3580, 0.3909

96.1984, 0.3556, 0.3998

Harmonies

Analogous

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

21.8513, 0.2153, 0.2443

21.8513, 0.2467, 0.2363

21.8513, 0.2979, 0.2489

Triad

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

21.8513, 0.2467, 0.2363

21.8513, 0.4310, 0.3652

21.8513, 0.2631, 0.3882

Complementary

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

21.8513, 0.2467, 0.2363

39.9816, 0.3753, 0.4070

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.

21.8513, 0.3184, 0.4301

21.8513, 0.2467, 0.2363

21.8513, 0.4171, 0.4077

Square

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

21.8513, 0.2467, 0.2363

21.8513, 0.4093, 0.3194

21.8513, 0.3750, 0.4347

21.8513, 0.2235, 0.3277

Rectangle

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

21.8513, 0.2467, 0.2363

21.8513, 0.3383, 0.2669

21.8513, 0.3750, 0.4347

21.8513, 0.2804, 0.4056

Sweetspot

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

21.8521, 0.2467, 0.2363

69.0557, 0.2955, 0.3058

40.2342, 0.2691, 0.3505

14.8634, 0.2933, 0.3028

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.

21.8521, 0.2467, 0.2363

32.0221, 0.2302, 0.2114

20.2855, 0.2639, 0.2205

8.9832, 0.2984, 0.3098

3.2638, 0.1553, 0.0792

0.1976, 0.1679, 0.1242

Inverse Universe

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

23.3740, 0.3878, 0.3105

35.6354, 0.4136, 0.3066

42.7328, 0.3496, 0.4292

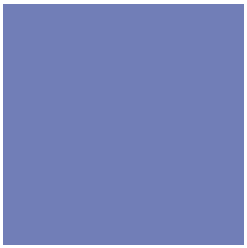
9.0388, 0.3259, 0.3248

7.1118, 0.6082, 0.3124

0.2590, 0.5406, 0.2752

Previews

White Background

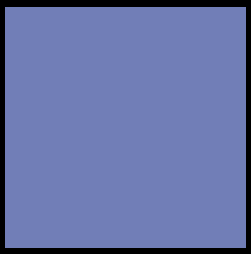


This preview shows how the Yxy color 21.8513, 0.2467, 0.2363 looks on a white background.

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



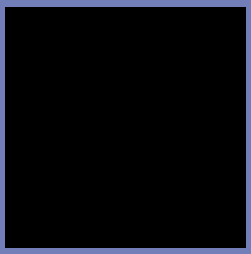
This preview shows how the Yxy color 21.8513, 0.2467, 0.2363 looks on a black background.

Color Contrast Check

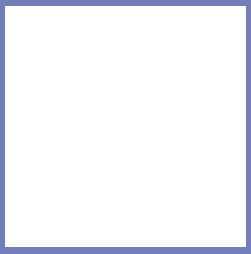
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA ✓ Pass
Large Text (above 18pt) WCAG AAA ✓ Pass
Any Text WCAG AAA ✕ Fail

If you want to check with other color combinations, try the Color Contrast Checker.

Yxy 21.8513, 0.2467, 0.2363 Background



This preview shows how black text looks on a background with the Yxy color 21.8513, 0.2467, 0.2363.



This preview shows how white text looks on a background with the Yxy color 21.8513, 0.2467, 0.2363.

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

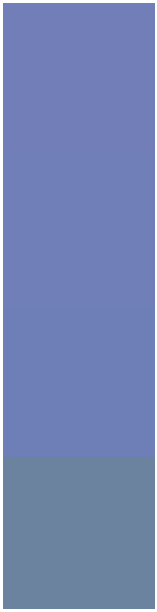
Original Color
21.8513, 0.2467, 0.2363

Protanopia
21.9771, 0.2453, 0.2376

Deuteranopia
21.7858, 0.2428, 0.2370

Tritanopia
22.0069, 0.2718, 0.3104

Trichromacy



Original Color
21.8513, 0.2467, 0.2363

Protanomaly
22.0424, 0.2461, 0.2377

Deuteranomaly
21.9126, 0.2444, 0.2374

Tritanomaly
21.8270, 0.2620, 0.2810

Monochromacy

Original Color
21.8513, 0.2467, 0.2363

Achromatopsia
21.9526, 0.3127, 0.3290

Achromatomaly
21.8192, 0.2855, 0.2923

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.8513, 0.2467, 0.2363 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(113, 126, 183) looks like.

```
.text, #text, p{
    color:rgb(113, 126, 183)
}
```

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(113, 126, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 126, 183) }
```

Border

The CSS property to change the border of an element to Yxy 21.8513, 0.2467, 0.2363 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(113, 126, 183) }
```

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

```
.border{ border-color:rgb(113, 126, 183) }
```

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

Here you see how a box with a 4 pixel rgb(113, 126, 183) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(113, 126, 183); -webkit-box-shadow:4px 4px 4px 4px rgb(113, 126, 183); box-shadow:4px 4px 4px 4px rgb(113, 126, 183) }
```

Background

The CSS property to change the background color of an element to Yxy 21.8513, 0.2467, 0.2363 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(113, 126, 183) }
```

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

```
.background{ background-color:rgb(113,
126, 183) }
```

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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