Converting Colors

Yxy(20.9734, 0.2678, 0.2750)

Have a look what the booklet for Yxy(20.9734, 0.2678, 0.2750) contains.

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Color

Yxy(20.8667, 0.2676, 0.2743)

Conversions

Conversions Part 1

Format	Color
Hex	717E9D
RGB	113, 126, 157
RGB Percent	44%, 49%, 62%
CMY	0.5568, 0.5059, 0.3843
CMYK	0.28, 0.20, 0.00, 0.38
HSL	222°, 18%, 53%
HSV	222°, 28%, 62%
XYZ	20.3570, 20.8667, 34.8488
YIQ	125.6470, -17.6990, 6.8850

Conversions

Conversions Part 2

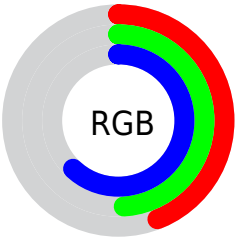
Format	Color
RYB	113, 123, 157
Decimal	7437981
CIELab	52.80, 2.59, -18.18
CIELCh	53, 18.363, 278.103
Yxy	20.8667, 0.2676, 0.2743
Android (android.graphics.Color)	4285628061 (0xFF717E9D)
YUV	125.6470, 15.4570, -11.0914
Hunter-Lab	45.6801, -0.3929, -13.2556

Details

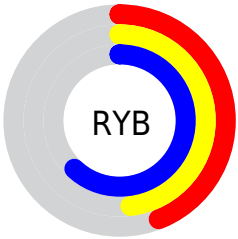
The Yxy color 20.8667, 0.2676, 0.2743 is a dark color, and the websafe version is hex 666699. A complement of this color would be 28.3070, 0.3589, 0.3782, and the grayscale version is 20.6901, 0.3127, 0.3290.

A 20% lighter version of the original color is 45.1007, 0.2776, 0.2863, and 7.4384, 0.2499, 0.2522 is the 20% darker color. If you saturate the color by 10%, you get 17.2401, 0.2499, 0.2508, and if you desaturate by 10%, it is 24.9880, 0.2846, 0.2958.

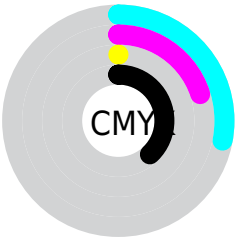
Distribution



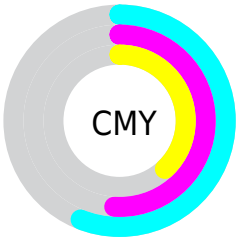
- Red (44%)
- Green (49%)
- Blue (62%)



- Red (44%)
- Yellow (48%)
- Blue (62%)



- Cyan (28%)
- Magenta (20%)
- Yellow (0%)
- Black (38%)



- Cyan (56%)
- Magenta (51%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.8667, 0.2676, 0.2743 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 20.8667, 0.2676, 0.2743 by changing the saturation by 10% instead.

20.8667, 0.2676, 0.2743

256.5692, 0.2929, 0.3047

44.8656, 0.2775, 0.2862

61.7932, 0.2811, 0.2904

82.5187, 0.2839, 0.2938

107.4265, 0.2863, 0.2967

136.9011, 0.2884, 0.2992

171.3268, 0.2901,

20.8667, 0.2676, 0.2743

13.0266, 0.2602, 0.2656

7.4469, 0.2500, 0.2535

3.7431, 0.2350, 0.2361

1.5309, 0.2112, 0.2089

0.3103, 0.1473, 0.1276

0.0000, 0.0000, 0.0000

0.3013

211.0881, 0.2916, 0.3031

20.8667, 0.2676, 0.2743

20.8667, 0.2676, 0.2743

17.2401, 0.2499, 0.2508

24.9880, 0.2846, 0.2958

14.0863, 0.2319, 0.2257

29.6198, 0.3007, 0.3151

11.3853, 0.2142, 0.1995

34.7801, 0.3156, 0.3322

9.1147, 0.1978, 0.1732

40.4856, 0.3292, 0.3474

7.2499, 0.1833, 0.1478

46.7518, 0.3417, 0.3607

5.7633, 0.1716, 0.1245

4.6144, 0.1629, 0.1043

4.4167, 0.1613, 0.1007

53.5940, 0.3529, 0.3723

61.0265, 0.3631, 0.3824

69.0634, 0.3723, 0.3912

77.7182, 0.3805, 0.3989

Harmonies

Analogous

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

20.8667, 0.2521, 0.2845

20.8667, 0.2676, 0.2743

20.8667, 0.2954, 0.2777

Triad

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

20.8667, 0.2676, 0.2743

20.8667, 0.3778, 0.3446

20.8667, 0.2940, 0.3694

Complementary

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

20.8667, 0.2676, 0.2743

28.3070, 0.3589, 0.3782

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.

20.8667, 0.3274, 0.3871

20.8667, 0.2676, 0.2743

20.8667, 0.3767, 0.3701

Square

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

20.8667, 0.2676, 0.2743

20.8667, 0.3601, 0.3169

20.8667, 0.3579, 0.3866

20.8667, 0.2667, 0.3392

Rectangle

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

20.8667, 0.2676, 0.2743

20.8667, 0.3179, 0.2868

20.8667, 0.3579, 0.3866

20.8667, 0.3049, 0.3772

Sweetspot

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

20.8675, 0.2676, 0.2743

52.9296, 0.3005, 0.3148

29.6300, 0.2834, 0.3516

11.3750, 0.2983, 0.3122

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.

20.8675, 0.2676, 0.2743

32.9650, 0.2559, 0.2589

18.3706, 0.2748, 0.2525

6.7387, 0.2988, 0.3128

3.6455, 0.1617, 0.1020

0.1334, 0.1826, 0.1773

Inverse Universe

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

20.4866, 0.3544, 0.3080

32.4358, 0.3682, 0.3028

31.6177, 0.3445, 0.3992

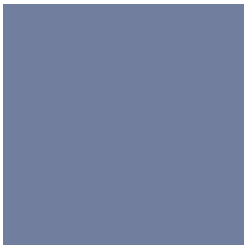
6.6768, 0.3240, 0.3224

5.9902, 0.5728, 0.2929

0.1140, 0.4718, 0.2373

Previews

White Background



This preview shows how the Yxy color 20.8667, 0.2676, 0.2743 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 20.8667, 0.2676, 0.2743 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 20.8667, 0.2676, 0.2743

Background

This preview shows how black text looks on a background with the Yxy color 20.8667, 0.2676, 0.2743.

This preview shows how white text looks on a background with the Yxy color 20.8667, 0.2676, 0.2743.

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
20.8667, 0.2676, 0.2743

Protanopia
20.9191, 0.2733, 0.2748

Deuteranopia
20.7721, 0.2753, 0.2688

Tritanopia
20.8158, 0.2805, 0.3103

Trichromacy

Original Color
20.8667, 0.2676, 0.2743

Protanomaly
20.7805, 0.2713, 0.2745

Deuteranomaly
20.8059, 0.2724, 0.2700

Tritanomaly
20.8287, 0.2748, 0.2960

Monochromacy

Original Color
20.8667, 0.2676, 0.2743

Achromatopsia
20.8637, 0.3127, 0.3290

Achromatomaly
20.7928, 0.2952, 0.3090

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.8667, 0.2676, 0.2743 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, 157) looks like.

```
.text, #text, p{
    color:rgb(113, 126, 157)
}
```

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, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 126, 157) }
```

Border

The CSS property to change the border of an element to Yxy 20.8667, 0.2676, 0.2743 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, 157) }
```

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

```
.border{ border-color:rgb(113, 126, 157) }
```

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, 157) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(113, 126, 157); -webkit-box-shadow:4px 4px 4px 4px rgb(113, 126, 157); box-shadow:4px 4px 4px 4px rgb(113, 126, 157) }
```

Background

The CSS property to change the background color of an element to Yxy 20.8667, 0.2676, 0.2743 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, 157) }
```

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

```
.background{ background-color:rgb(113,
126, 157) }
```

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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