

Converting Colors

$Y_{xy}(20.9742, 0.2678, 0.2750)$

Have a look what the booklet for
Yxy(20.9742, 0.2678, 0.2750)
contains.

Yxy(20.8667, 0.2676, 0.2743)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

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

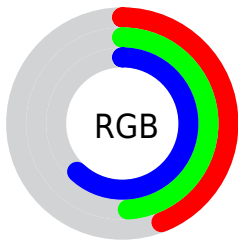
Format	Color
R_{YB}	113, 123, 157
Decimal	7437981
CIE _{Lab}	52.80, 2.59, -18.18
CIE _{LCh}	53, 18.363, 278.103
Yxy	20.8667, 0.2676, 0.2743
Android (android.graphics.Color)	4285628061 (0xFF717E9D)
YUV	125.6470, 15.4570, -11.0914
Hunter-Lab	45.6801, -0.3929, -13.2556

Details

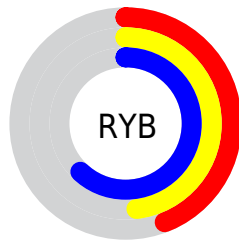
The Yxy color $20.8667, 0.2676, 0.2743$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $28.3070, 0.3589, 0.3782$, and the grayscale version is $20.6901, 0.3127, 0.3290$.

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 $24.9880, 0.2846, 0.2958$.

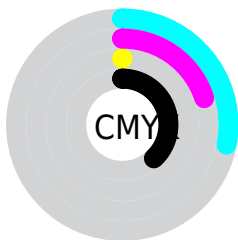
Distribution



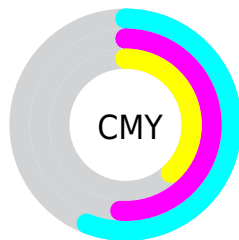
- Red (44%)
- Green (49%)
- Blue (62%)



- 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

■ 20.8667, 0.2676,
0.2743

■ 256.5692, 0.2929,
0.3047

■ 13.0266, 0.2602,
0.2656

■ 44.8656, 0.2775,
0.2862

■ 7.4469, 0.2500,
0.2535

■ 61.7932, 0.2811,
0.2904

■ 3.7431, 0.2350,
0.2361

■ 82.5187, 0.2839,
0.2938

■ 1.5309, 0.2112,
0.2089

■ 107.4265, 0.2863,
0.2967

■ 0.3103, 0.1473,
0.1276

■ 136.9011, 0.2884,
0.2992

■ 0.0000, 0.0000,
0.0000

171.3268, 0.2901,

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

■ 53.5940, 0.3529,
0.3723

■ 4.6144, 0.1629,
0.1043

■ 61.0265, 0.3631,
0.3824

■ 4.4167, 0.1613,
0.1007

■ 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



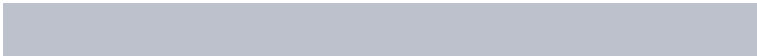
20.8667, 0.3049, 0.3772

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

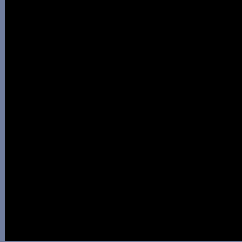
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

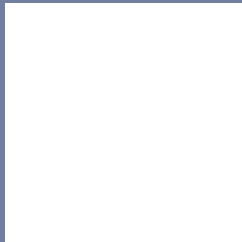
If you want to check with other color combinations, try the [Color Contrast Checker](#).

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.

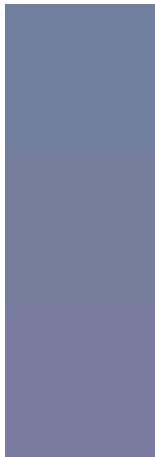


This preview shows how white text looks on a background with the Yxy color 20.8667, 0.2676, 0.2743.

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor