

Converting Colors

$Y_{xy}(20.7334, 0.2780, 0.2492)$

Have a look what the booklet for
Yxy(20.7334, 0.2780, 0.2492)
contains.

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Color

Yxy(20.7334, 0.2780, 0.2492)

Conversions

Conversions Part 1

Format	Color
Hex	8576A7
RGB	133, 118, 167
RGB Percent	52%, 46%, 65%
CMY	0.4783, 0.5373, 0.3451
CMYK	0.20, 0.29, 0.00, 0.35
HSL	258°, 22%, 56%
HSV	258°, 29%, 65%
XYZ	23.1296, 20.7334, 39.3369
YIQ	128.0710, -6.7890, 18.4190

Conversions

Conversions Part 2

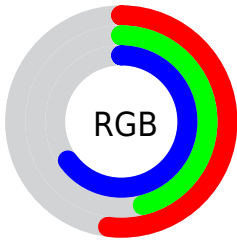
Format	Color
R_{YB}	133, 118, 167
Decimal	8746663
CIE _{Lab}	52.66, 16.23, -24.07
CIE _{LCh}	53, 29.030, 303.988
Yxy	20.7334, 0.2780, 0.2492
Android (android.graphics.Color)	4286936743 (0xFF8576A7)
YUV	128.0710, 19.1920, 4.3227
Hunter-Lab	45.5339, 10.9870, -19.3470

Details

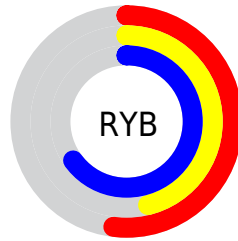
The Yxy color $20.7334, 0.2780, 0.2492$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $35.6118, 0.3409, 0.4044$, and the grayscale version is $21.5479, 0.3127, 0.3290$.

A 20% lighter version of the original color is $44.5882, 0.2863, 0.2657$, and $7.4120, 0.2627, 0.2221$ is the 20% darker color. If you saturate the color by 10%, you get $16.2527, 0.2631, 0.2181$, and if you desaturate by 10%, it is $26.0158, 0.2914, 0.2787$.

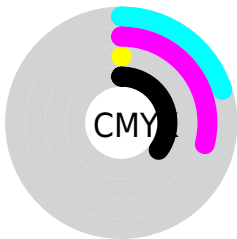
Distribution



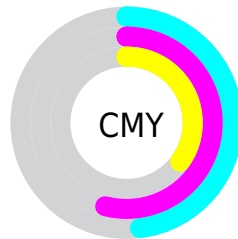
- Red (52%)
- Green (46%)
- Blue (65%)



- Red (52%)
- Yellow (46%)
- Blue (65%)



- Cyan (20%)
- Magenta (29%)
- Yellow (0%)
- Black (35%)



- Cyan (48%)
- Magenta (54%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.7334, 0.2780, 0.2492 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 20.7334, 0.2780, 0.2492 by changing the saturation by 10% instead.

■ 20.7334, 0.2780,
0.2492

■ 20.7334, 0.2780,
0.2492

■ 255.8583, 0.2980,
0.2922

■ 12.9293, 0.2720,
0.2374

■ 44.6434, 0.2860,
0.2656

■ 7.3799, 0.2636,
0.2218

■ 61.5181, 0.2888,
0.2715

■ 3.7008, 0.2511,
0.1999

■ 82.1851, 0.2910,
0.2764

■ 1.5076, 0.2310,
0.1678

■ 107.0287, 0.2929,
0.2806

■ 0.2941, 0.1993,
0.0867

■ 136.4335, 0.2945,
0.2841

■ 0.0000, 0.0000,
0.0000

170.7837, 0.2958,

0.2872

210.4639, 0.2970,
0.2899

■ 20.7334, 0.2780,
0.2492

■ 20.7334, 0.2780,
0.2492

■ 16.2527, 0.2631,
0.2181

■ 26.0158, 0.2914,
0.2787

■ 12.5311, 0.2470,
0.1864

■ 32.1347, 0.3031,
0.3059

■ 9.5258, 0.2302,
0.1554

■ 39.1256, 0.3133,
0.3305

■ 7.1887, 0.2134,
0.1271

■ 47.0215, 0.3221,
0.3527

■ 5.4653, 0.1977,
0.1031

■ 55.8535, 0.3295,
0.3723

■ 4.2925, 0.1838,
0.0851

■ 65.6511, 0.3358,
0.3897

■ 3.5444, 0.1724,
0.0727

■ 76.4429, 0.3412,
0.4050

■ 3.5005, 0.1717,
0.0720

■ 88.2558, 0.3456,
0.4185

■ 92.3458, 0.3527,
0.4191

Harmonies

Analogous

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



20.7334, 0.2384, 0.2457



20.7334, 0.2780, 0.2492



20.7334, 0.3306, 0.2700

Triad

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



20.7334, 0.2780, 0.2492



20.7334, 0.4157, 0.3854



20.7334, 0.2454, 0.3517

Complementary

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



20.7334, 0.2780, 0.2492



35.6118, 0.3409, 0.4044

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.



20.7334, 0.2889, 0.4009



20.7334, 0.2780, 0.2492



20.7334, 0.3879, 0.4166

Square

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



20.7334, 0.2780, 0.2492



20.7334, 0.4142, 0.3447



20.7334, 0.3411, 0.4250



20.7334, 0.2208, 0.2996

Rectangle

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



20.7334, 0.2780, 0.2492



20.7334, 0.3662, 0.2914



20.7334, 0.3411, 0.4250



20.7334, 0.2582, 0.3696

Sweetspot

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



20.7342, 0.2780, 0.2492



57.7686, 0.3033, 0.3063



29.1916, 0.2686, 0.3049



12.5603, 0.3018, 0.3027



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



20.7342, 0.2780, 0.2492



31.9250, 0.2688, 0.2298



22.9320, 0.3048, 0.2552



7.4081, 0.3032, 0.3060



2.7022, 0.1726, 0.0724



0.0924, 0.2108, 0.0935

Inverse Universe

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



23.4347, 0.3333, 0.2782



37.6008, 0.3390, 0.2671



33.5147, 0.3177, 0.4102



7.6268, 0.3182, 0.3135



7.2557, 0.4152, 0.2061



0.1850, 0.3776, 0.1854

Previews

White Background



This preview shows how the Yxy color 20.7334, 0.2780, 0.2492 looks on a white background.

Color Contrast Check

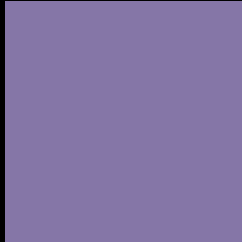
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.7334, 0.2780, 0.2492 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

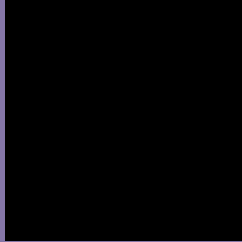
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.7334, 0.2780, 0.2492

Background



This preview shows how black text looks on a background with the Yxy color 20.7334, 0.2780, 0.2492.



This preview shows how white text looks on a background with the Yxy color 20.7334, 0.2780, 0.2492.

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

20.7334, 0.2780, 0.2492

Protanopia

20.8386, 0.2537, 0.2478

Deuteranopia

20.8815, 0.2624, 0.2573



Tritanopia

20.6486, 0.3052, 0.3110

Trichromacy



Original Color

20.7334, 0.2780, 0.2492

Protanomaly

20.8144, 0.2625, 0.2488

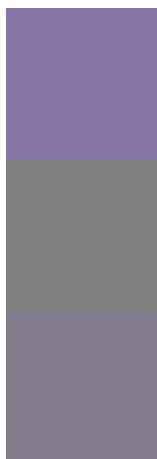
Deuteranomaly

20.8098, 0.2679, 0.2550

Tritanomaly

20.6615, 0.2948, 0.2873

Monochromacy



Original Color

20.7334, 0.2780, 0.2492

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

21.1141, 0.3001, 0.2976

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.7334, 0.2780, 0.2492 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(133, 118, 167)` looks like.

```
.text, #text, p{  
    color:rgb(133, 118, 167)  
}
```

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(133, 118, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 118, 167) }
```

Border

The CSS property to change the border of an element to Yxy 20.7334, 0.2780, 0.2492 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(133, 118, 167) }
```

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

```
.border{ border-color:rgb(133, 118, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 118, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 118, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 118, 167);  
box-shadow:4px 4px 4px 4px rgb(133, 118,  
167) }
```


Background

The CSS property to change the background color of an element to Yxy 20.7334, 0.2780, 0.2492 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 118, 167) }
```

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

```
.background{ background-color: rgb(133,  
118, 167) }
```

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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