

Converting Colors

$Y_{xy}(20.3040, 0.2711, 0.2348)$

Have a look what the booklet for
Yxy(20.3040, 0.2711, 0.2348)
contains.

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Color

Yxy(20.3040, 0.2711, 0.2348)

Conversions

Conversions Part 1

Format	Color
Hex	8573AE
RGB	133, 115, 174
RGB Percent	52%, 45%, 68%
CMY	0.4784, 0.5490, 0.3177
CMYK	0.24, 0.34, 0.00, 0.32
HSL	258°, 27%, 57%
HSV	258°, 34%, 68%
XYZ	23.4430, 20.3040, 42.7266
YIQ	127.1080, -8.2110, 22.1650

Conversions

Conversions Part 2

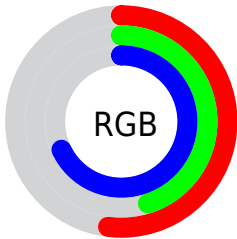
Format	Color
R_{YB}	133, 115, 174
Decimal	8745902
CIE _{Lab}	52.18, 19.69, -28.87
CIE _{LCh}	52, 34.947, 304.292
Yxy	20.3040, 0.2711, 0.2348
Android (android.graphics.Color)	4286935982 (0xFF8573AE)
YUV	127.1080, 23.1178, 5.1673
Hunter-Lab	45.0600, 14.0119, -24.6778

Details

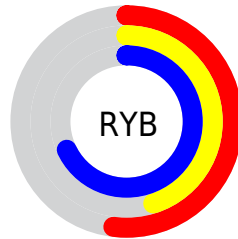
The Yxy color $20.3040, 0.2711, 0.2348$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $38.5776, 0.3453, 0.4170$, and the grayscale version is $21.1841, 0.3127, 0.3290$.

A 20% lighter version of the original color is $43.9154, 0.2804, 0.2534$, and $7.1886, 0.2544, 0.2046$ is the 20% darker color. If you saturate the color by 10%, you get $15.7756, 0.2555, 0.2031$, and if you desaturate by 10%, it is $25.6963, 0.2853, 0.2652$.

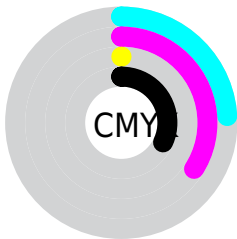
Distribution



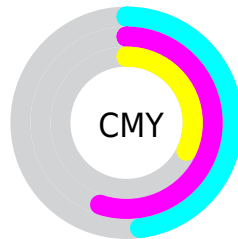
- Red (52%)
- Green (45%)
- Blue (68%)



- Red (52%)
- Yellow (45%)
- Blue (68%)



- Cyan (24%)
- Magenta (34%)
- Yellow (0%)
- Black (32%)




- Cyan (48%)
- Magenta (55%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.3040, 0.2711, 0.2348 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 20.3040, 0.2711, 0.2348 by changing the saturation by 10% instead.


 20.3040, 0.2711,
0.2348


 20.3040, 0.2711,
0.2348


253.5561, 0.2951,
0.2851


 12.6162, 0.2639,
0.2213


 43.9263, 0.2807,
0.2538

 7.1648, 0.2539,
0.2036


 60.6296, 0.2840,
0.2607

 3.5654, 0.2393,
0.1793

 81.1068, 0.2867,
0.2665

 1.4335, 0.2161,
0.1448

 105.7424, 0.2890,
0.2713

 0.2413, 0.1810,
0.0615

134.9207, 0.2909,
0.2755

 0.0000, 0.0000,
0.0000

169.0262, 0.2925,

0.2791

208.4432, 0.2939,
0.2823

■ 20.3040, 0.2711,
0.2348

■ 20.3040, 0.2711,
0.2348

■ 15.7756, 0.2555,
0.2031

■ 25.6963, 0.2853,
0.2652

■ 12.0627, 0.2389,
0.1715

■ 31.9927, 0.2979,
0.2936

■ 9.1155, 0.2219,
0.1414

■ 39.2337, 0.3089,
0.3196

■ 6.8777, 0.2054,
0.1148

■ 47.4566, 0.3183,
0.3429

■ 5.2851, 0.1904,
0.0935

■ 56.6967, 0.3264,
0.3637

■ 4.2608, 0.1778,
0.0785

■ 66.9876, 0.3332,
0.3822

■ 3.8148, 0.1712,
0.0717

■ 78.3612, 0.3390,
0.3984

■ 90.8481, 0.3439,
0.4127

■ 93.4233, 0.3519,
0.4111

Harmonies

Analogous

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



20.3040, 0.2244, 0.2300



20.3040, 0.2711, 0.2348



20.3040, 0.3345, 0.2593

Triad

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



20.3040, 0.2711, 0.2348



20.3040, 0.4364, 0.3949



20.3040, 0.2313, 0.3554

Complementary

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



20.3040, 0.2711, 0.2348



38.5776, 0.3453, 0.4170

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.



20.3040, 0.2823, 0.4173



20.3040, 0.2711, 0.2348



20.3040, 0.4015, 0.4339

Square

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



20.3040, 0.2711, 0.2348



20.3040, 0.4361, 0.3463



20.3040, 0.3447, 0.4466



20.3040, 0.2032, 0.2916

Rectangle

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



20.3040, 0.2711, 0.2348



20.3040, 0.3779, 0.2843



20.3040, 0.3447, 0.4466



20.3040, 0.2461, 0.3779

Sweetspot

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



20.3048, 0.2711, 0.2348



62.7255, 0.3022, 0.3036



30.5788, 0.2619, 0.3005



13.5497, 0.3006, 0.3000



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



20.3048, 0.2711, 0.2348



30.2770, 0.2590, 0.2101



23.0207, 0.3032, 0.2431



7.8713, 0.3031, 0.3059



2.7948, 0.1722, 0.0722



0.1068, 0.2076, 0.0917

Inverse Universe

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



23.6613, 0.3373, 0.2698



37.4489, 0.3449, 0.2561



36.0062, 0.3182, 0.4251



8.1058, 0.3182, 0.3134



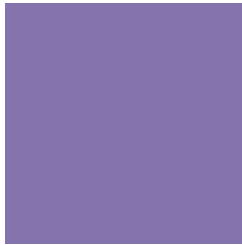
7.5377, 0.4147, 0.2058



0.2188, 0.3803, 0.1868

Previews

White Background



This preview shows how the Yxy color 20.3040, 0.2711, 0.2348 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 20.3040, 0.2711, 0.2348 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

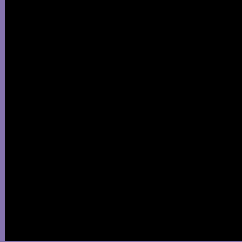
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.3040, 0.2711, 0.2348

Background



This preview shows how black text looks on a background with the Yxy color 20.3040, 0.2711, 0.2348.



This preview shows how white text looks on a background with the Yxy color 20.3040, 0.2711, 0.2348.

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

20.3040, 0.2711, 0.2348

Protanopia

20.5254, 0.2422, 0.2337

Deuteranopia

20.3957, 0.2507, 0.2454



Tritanopia

20.2193, 0.3040, 0.3109

Trichromacy



Original Color

20.3040, 0.2711, 0.2348

Protanomaly

20.3603, 0.2518, 0.2335

Deuteranomaly

20.3016, 0.2577, 0.2407

Tritanomaly

20.1603, 0.2915, 0.2803

Monochromacy



Original Color

20.3040, 0.2711, 0.2348

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

20.8467, 0.2969, 0.2923

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.3040, 0.2711, 0.2348 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, 115, 174)` looks like.

```
.text, #text, p{  
    color:rgb(133, 115, 174)  
}
```

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, 115, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 115, 174) }
```

Border

The CSS property to change the border of an element to Yxy 20.3040, 0.2711, 0.2348 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, 115, 174) }
```

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

```
.border{ border-color:rgb(133, 115, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 115, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 115, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 115, 174);  
box-shadow:4px 4px 4px 4px rgb(133, 115,  
174) }
```


Background

The CSS property to change the background color of an element to Yxy 20.3040, 0.2711, 0.2348 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 115, 174) }
```

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

```
.background{ background-color: rgb(133,  
115, 174) }
```

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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