

Converting Colors

$Y_{xy}(20.6244, 0.2615, 0.2178)$

Have a look what the booklet for
Yxy(20.6244, 0.2615, 0.2178)
contains.

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Color

Yxy(20.6481, 0.2615, 0.2185)

Conversions

Conversions Part 1

Format	Color
Hex	8672BA
RGB	134, 114, 186
RGB Percent	53%, 45%, 73%
CMY	0.4745, 0.5529, 0.2706
CMYK	0.28, 0.39, 0.00, 0.27
HSL	257°, 34%, 59%
HSV	257°, 39%, 73%
XYZ	24.7116, 20.6481, 49.1396
YIQ	128.1880, -11.1920, 26.6320

Conversions

Conversions Part 2

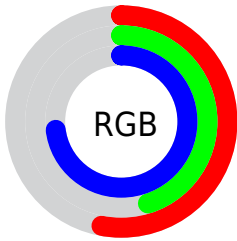
Format	Color
RYB	134, 114, 186
Decimal	8811194
CIELab	52.56, 23.60, -35.20
CIElCh	53, 42.376, 303.836
Yxy	20.6481, 0.2615, 0.2185
Android (android.graphics.Color)	4287001274 (0xFF8672BA)
YUV	128.1880, 28.5013, 5.0971
Hunter-Lab	45.4402, 17.5527, -32.3089

Details

The Yxy color $20.6481, 0.2615, 0.2185$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $44.4428, 0.3515, 0.4300$, and the grayscale version is $21.5576, 0.3127, 0.3290$.

A 20% lighter version of the original color is $44.5021, 0.2737, 0.2405$, and $7.3562, 0.2417, 0.1853$ is the 20% darker color. If you saturate the color by 10%, you get $15.8360, 0.2447, 0.1862$, and if you desaturate by 10%, it is $26.4553, 0.2771, 0.2501$.

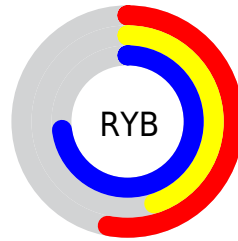
Distribution



Red (53%)

Green (45%)

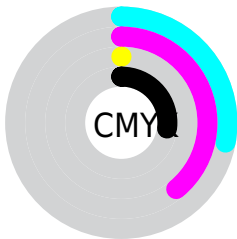
Blue (73%)



Red (53%)

Yellow (45%)

Blue (73%)

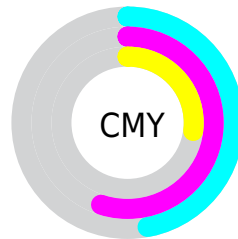


Cyan (28%)

Magenta (39%)

Yellow (0%)

Black (27%)



Cyan (47%)

Magenta (55%)

Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.6481, 0.2615, 0.2185 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 20.6481, 0.2615, 0.2185 by changing the saturation by 10% instead.

■ 20.6481, 0.2615,
0.2185

■ 20.6481, 0.2615,
0.2185

255.4024, 0.2908,
0.2764

■ 12.8670, 0.2529,
0.2035

■ 44.5011, 0.2731,
0.2400

■ 7.3370, 0.2412,
0.1842

■ 61.3419, 0.2772,
0.2480

■ 3.6738, 0.2243,
0.1585

■ 81.9713, 0.2805,
0.2546

■ 1.4928, 0.1986,
0.1235

■ 106.7738, 0.2833,
0.2603

■ 0.2837, 0.1608,
0.0539

136.1338, 0.2856,
0.2652

■ 0.0000, 0.0000,
0.0000

170.4356, 0.2876,

0.2694

210.0637, 0.2893,
0.2731

■ 20.6481, 0.2615,
0.2185

■ 20.6481, 0.2615,
0.2185

■ 15.8360, 0.2447,
0.1862

■ 26.4553, 0.2771,
0.2501

■ 11.9592, 0.2272,
0.1546

■ 33.3078, 0.2910,
0.2799

■ 8.9553, 0.2099,
0.1256

■ 41.2552, 0.3033,
0.3073

■ 6.7529, 0.1938,
0.1011

■ 50.3433, 0.3140,
0.3320

■ 5.2688, 0.1799,
0.0829

■ 60.6153, 0.3231,
0.3541

■ 4.3649, 0.1688,
0.0710

■ 72.1120, 0.3309,
0.3737

■ 4.2663, 0.1675,
0.0696

■ 84.8722, 0.3375,
0.3909

■ 93.8505, 0.3446,
0.3990

■ 96.3091, 0.3537,
0.3969

Harmonies

Analogous

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



20.6481, 0.2080, 0.2126



20.6481, 0.2615, 0.2185



20.6481, 0.3368, 0.2464

Triad

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



20.6481, 0.2615, 0.2185



20.6481, 0.4603, 0.4029



20.6481, 0.2161, 0.3614

Complementary

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



20.6481, 0.2615, 0.2185



44.4428, 0.3515, 0.4300

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.



20.6481, 0.2759, 0.4389



20.6481, 0.2615, 0.2185



20.6481, 0.4175, 0.4521

Square

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



20.6481, 0.2615, 0.2185



20.6481, 0.4609, 0.3460



20.6481, 0.3497, 0.4722



20.6481, 0.1841, 0.2833

Rectangle

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



20.6481, 0.2615, 0.2185



20.6481, 0.3898, 0.2749



20.6481, 0.3497, 0.4722



20.6481, 0.2334, 0.3896

Sweetspot

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



20.6489, 0.2615, 0.2185



69.5168, 0.2992, 0.2980



34.6888, 0.2553, 0.2994



14.8885, 0.2976, 0.2945



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



20.6489, 0.2615, 0.2185



30.2651, 0.2480, 0.1925



24.0384, 0.2986, 0.2294



8.8370, 0.3026, 0.3057



2.9029, 0.1686, 0.0703



0.1343, 0.1981, 0.0865

Inverse Universe

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



25.2286, 0.3397, 0.2585



39.8229, 0.3473, 0.2444



41.1444, 0.3206, 0.4407



9.1190, 0.3179, 0.3126



8.2009, 0.4050, 0.2005



0.2990, 0.3787, 0.1860

Previews

White Background



This preview shows how the Yxy color 20.6481, 0.2615, 0.2185 looks on a white background.

Color Contrast Check

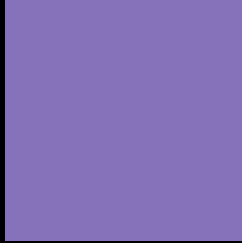
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.6481, 0.2615, 0.2185 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

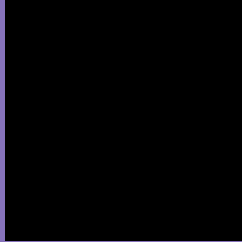
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.6481, 0.2615, 0.2185

Background



This preview shows how black text looks on a background with the Yxy color 20.6481, 0.2615, 0.2185.



This preview shows how white text looks on a background with the Yxy color 20.6481, 0.2615, 0.2185.

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

20.6481, 0.2615, 0.2185

Protanopia

20.7703, 0.2282, 0.2147

Deuteranopia

20.8946, 0.2359, 0.2309



Tritanopia

20.7016, 0.3007, 0.3109

Trichromacy



Original Color

20.6481, 0.2615, 0.2185

Protanomaly

20.6393, 0.2387, 0.2161

Deuteranomaly

20.6882, 0.2440, 0.2254

Tritanomaly

20.5970, 0.2854, 0.2725

Monochromacy



Original Color

20.6481, 0.2615, 0.2185

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

21.0817, 0.2928, 0.2843

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.6481, 0.2615, 0.2185 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(134, 114, 186)` looks like.

```
.text, #text, p{  
    color:rgb(134, 114, 186)  
}
```

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(134, 114, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 114, 186) }
```

Border

The CSS property to change the border of an element to Yxy 20.6481, 0.2615, 0.2185 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(134, 114, 186) }
```

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

```
.border{ border-color:rgb(134, 114, 186) }
```

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

Here you see how a box with a 4 pixel rgb(134, 114, 186) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 114, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 114, 186);  
box-shadow:4px 4px 4px 4px rgb(134, 114,  
186) }
```


Background

The CSS property to change the background color of an element to Yxy 20.6481, 0.2615, 0.2185 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 114, 186) }
```

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

```
.background{ background-color: rgb(134,  
114, 186) }
```

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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