

Converting Colors

$Y_{xy}(20.1081, 0.2639, 0.2412)$

Have a look what the booklet for
Yxy(20.1081, 0.2639, 0.2412)
contains.

Yxy(20.1081, 0.2639, 0.2412)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(20.1081, 0.2639, 0.2412)

Conversions

Conversions Part 1

Format	Color
Hex	7B76AB
RGB	123, 118, 171
RGB Percent	48%, 46%, 67%
CMY	0.5176, 0.5373, 0.3293
CMYK	0.28, 0.31, 0.00, 0.33
HSL	246°, 24%, 57%
HSV	246°, 31%, 67%
XYZ	22.0005, 20.1081, 41.2583
YIQ	125.5370, -14.0330, 17.5430

Conversions

Conversions Part 2

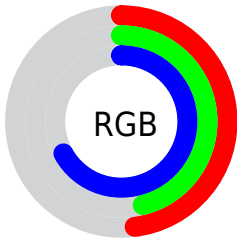
Format	Color
R_YB	123, 118, 171
Decimal	8091307
CIE _{Lab}	51.96, 14.07, -27.56
CIE _{LCh}	52, 30.939, 297.049
Yxy	20.1081, 0.2639, 0.2412
Android (android.graphics.Color)	4286281387 (0xFF7B76AB)
YUV	125.5370, 22.4133, -2.2249
Hunter-Lab	44.8421, 9.1025, -23.1621

Details

The Yxy color $20.1081, 0.2639, 0.2412$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $38.5467, 0.3536, 0.4061$, and the grayscale version is $20.6265, 0.3127, 0.3290$.

A 20% lighter version of the original color is $43.6426, 0.2749, 0.2588$, and $7.0899, 0.2433, 0.2106$ is the 20% darker color. If you saturate the color by 10%, you get $15.3867, 0.2447, 0.2078$, and if you desaturate by 10%, it is $25.7418, 0.2816, 0.2726$.

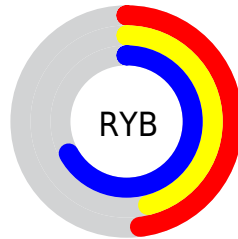
Distribution



Red (48%)

Green (46%)

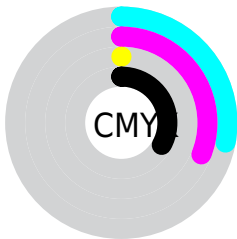
Blue (67%)



Red (48%)

Yellow (46%)

Blue (67%)

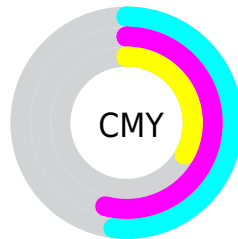


Cyan (28%)

Magenta (31%)

Yellow (0%)

Black (33%)



Cyan (52%)

Magenta (54%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.1081, 0.2639, 0.2412 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 20.1081, 0.2639, 0.2412 by changing the saturation by 10% instead.

■ 20.1081, 0.2639,
0.2412

■ 20.1081, 0.2639,
0.2412

252.4997, 0.2917,
0.2886

■ 12.4736, 0.2557,
0.2283

■ 43.5983, 0.2749,
0.2593

■ 7.0671, 0.2444,
0.2110

■ 60.2229, 0.2787,
0.2658

■ 3.5041, 0.2279,
0.1872

■ 80.6130, 0.2819,
0.2712

■ 1.4002, 0.2021,
0.1527

105.1530, 0.2845,
0.2758

■ 0.2169, 0.1573,
0.0621

134.2273, 0.2867,
0.2797

■ 0.0000, 0.0000,
0.0000

168.2202, 0.2886,

0.2831

207.5162, 0.2903,
0.2860

■ 20.1081, 0.2639,
0.2412

■ 20.1081, 0.2639,
0.2412

■ 15.3867, 0.2447,
0.2078

■ 25.7418, 0.2816,
0.2726

■ 11.5274, 0.2247,
0.1735

■ 32.3300, 0.2975,
0.3011

■ 8.4786, 0.2049,
0.1404

■ 39.9149, 0.3114,
0.3266

■ 6.1821, 0.1866,
0.1109

■ 48.5356, 0.3235,
0.3490

■ 4.5722, 0.1712,
0.0871

■ 58.2291, 0.3340,
0.3686

■ 3.5715, 0.1599,
0.0708

■ 69.0305, 0.3429,
0.3855

■ 3.0529, 0.1534,
0.0619

■ 80.9732, 0.3505,
0.4002

■ 94.0896, 0.3571,
0.4129

■ 95.7210, 0.3626,
0.4115

Harmonies

Analogous

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



20.1081, 0.2263, 0.2420



20.1081, 0.2639, 0.2412



20.1081, 0.3181, 0.2594

Triad

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



20.1081, 0.2639, 0.2412



20.1081, 0.4261, 0.3792



20.1081, 0.2496, 0.3669

Complementary

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



20.1081, 0.2639, 0.2412



38.5467, 0.3536, 0.4061

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.



20.1081, 0.2994, 0.4161



20.1081, 0.2639, 0.2412



20.1081, 0.4024, 0.4165

Square

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



20.1081, 0.2639, 0.2412



20.1081, 0.4168, 0.3348



20.1081, 0.3554, 0.4334



20.1081, 0.2183, 0.3090

Rectangle

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



20.1081, 0.2639, 0.2412



20.1081, 0.3573, 0.2802



20.1081, 0.3554, 0.4334



20.1081, 0.2646, 0.3857

Sweetspot

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



20.1089, 0.2639, 0.2412



60.2579, 0.3002, 0.3061



34.2829, 0.2682, 0.3219



13.0297, 0.2981, 0.3023



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



20.1089, 0.2639, 0.2412



30.2069, 0.2513, 0.2191



22.2791, 0.2914, 0.2477



7.7922, 0.3000, 0.3057



2.3119, 0.1538, 0.0621



0.0757, 0.1695, 0.0707

Inverse Universe

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



24.3685, 0.3218, 0.2600



39.0524, 0.3241, 0.2454



36.0235, 0.3285, 0.4128



8.1348, 0.3151, 0.3087



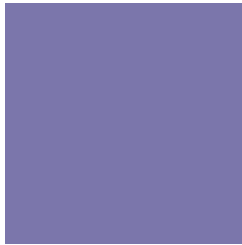
8.3099, 0.3459, 0.1679



0.2349, 0.3374, 0.1633

Previews

White Background



This preview shows how the Yxy color 20.1081, 0.2639, 0.2412 looks on a white background.

Color Contrast Check

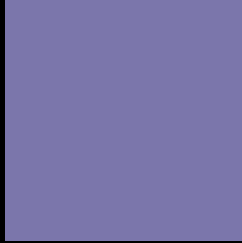
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.1081, 0.2639, 0.2412 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

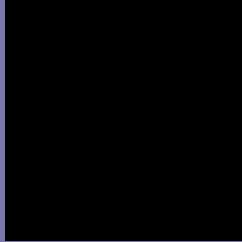
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.1081, 0.2639, 0.2412

Background



This preview shows how black text looks on a background with the Yxy color 20.1081, 0.2639, 0.2412.



This preview shows how white text looks on a background with the Yxy color 20.1081, 0.2639, 0.2412.

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

20.1081, 0.2639, 0.2412

Protanopia

20.1632, 0.2481, 0.2406

Deuteranopia

20.0726, 0.2521, 0.2465



Tritanopia

20.1295, 0.2916, 0.3104

Trichromacy



Original Color

20.1081, 0.2639, 0.2412

Protanomaly

20.2026, 0.2531, 0.2413

Deuteranomaly

20.1544, 0.2565, 0.2458

Tritanomaly

19.9791, 0.2816, 0.2825

Monochromacy



Original Color

20.1081, 0.2639, 0.2412

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

20.4789, 0.2944, 0.2952

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.1081, 0.2639, 0.2412 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(123, 118, 171)` looks like.

```
.text, #text, p{  
    color:rgb(123, 118, 171)  
}
```

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(123, 118, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 118, 171) }
```

Border

The CSS property to change the border of an element to Yxy 20.1081, 0.2639, 0.2412 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(123, 118, 171) }
```

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

```
.border{ border-color:rgb(123, 118, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 118, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 118, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 118, 171);  
box-shadow:4px 4px 4px 4px rgb(123, 118,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 20.1081, 0.2639, 0.2412 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 118, 171) }
```

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

```
.background{ background-color: rgb(123,  
118, 171) }
```

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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