

Converting Colors

$Y_{xy}(20.4799, 0.2492, 0.2487)$

Have a look what the booklet for
Yxy(20.4799, 0.2492, 0.2487)
contains.

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Color

Yxy(20.4197, 0.2491, 0.2481)

Conversions

Conversions Part 1

Format	Color
Hex	6A7CAB
RGB	106, 124, 171
RGB Percent	42%, 49%, 67%
CMY	0.5843, 0.5137, 0.3295
CMYK	0.38, 0.27, 0.00, 0.33
HSL	223°, 28%, 54%
HSV	223°, 38%, 67%
XYZ	20.5020, 20.4197, 41.3826
YIQ	123.9760, -25.8150, 10.8010

Conversions

Conversions Part 2

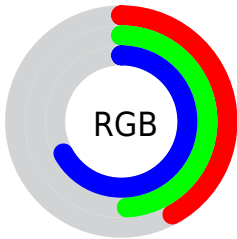
Format	Color
RYB	106, 120, 171
Decimal	6978731
CIELab	52.31, 5.43, -27.10
CIELCh	52, 27.637, 281.331
Yxy	20.4197, 0.2491, 0.2481
Android (android.graphics.Color)	4285168811 (0xFF6A7CAB)
YUV	123.9760, 23.1828, -15.7650
Hunter-Lab	45.1882, 1.9067, -22.6651

Details

The Yxy color **20.4197, 0.2491, 0.2481** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **32.4793, 0.3775, 0.3983**, and the grayscale version is **20.0763, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.9676, 0.2624, 0.2640**, and **7.1763, 0.2246, 0.2172** is the 20% darker color. If you saturate the color by 10%, you get **16.5678, 0.2308, 0.2221**, and if you desaturate by 10%, it is **24.8707, 0.2671, 0.2724**.

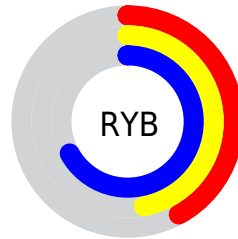
Distribution



Red (42%)

Green (49%)

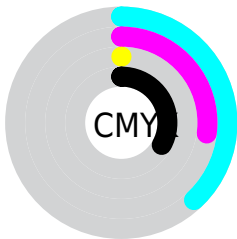
Blue (67%)



Red (42%)

Yellow (47%)

Blue (67%)

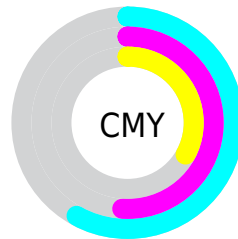


Cyan (38%)

Magenta (27%)

Yellow (0%)

Black (33%)



Cyan (58%)

Magenta (51%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.4197, 0.2491, 0.2481 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 20.4197, 0.2491, 0.2481 by changing the saturation by 10% instead.

■ 20.4197, 0.2491,
0.2481

■ 20.4197, 0.2491,
0.2481

254.1782, 0.2846,
0.2924

■ 12.7005, 0.2389,
0.2358

■ 44.1197, 0.2630,
0.2651

■ 7.2226, 0.2251,
0.2192

■ 60.8693, 0.2679,
0.2713

■ 3.6017, 0.2053,
0.1960

■ 81.3979, 0.2719,
0.2763

■ 1.4534, 0.1753,
0.1618

■ 106.0897, 0.2753,
0.2806

■ 0.2556, 0.1111,
0.0756

135.3293, 0.2782,
0.2842

■ 0.0000, 0.0000,
0.0000

169.5010, 0.2806,

0.2873

208.9891, 0.2828,
0.2900

■ 20.4197, 0.2491,
0.2481

■ 20.4197, 0.2491,
0.2481

■ 16.5678, 0.2308,
0.2221

■ 24.8707, 0.2671,
0.2724

■ 13.2858, 0.2128,
0.1951

■ 29.9434, 0.2844,
0.2946

■ 10.5455, 0.1961,
0.1680

■ 35.6622, 0.3006,
0.3146

■ 8.3150, 0.1815,
0.1421

■ 42.0494, 0.3156,
0.3324

■ 6.5587, 0.1698,
0.1187

■ 49.1261, 0.3293,
0.3480

■ 5.2272, 0.1614,
0.0989

■ 56.9126, 0.3417,
0.3617

■ 5.0003, 0.1598,
0.0954

■ 65.4282, 0.3529,
0.3736

■ 74.6916, 0.3630,
0.3840

■ 83.7792, 0.3685,
0.3938

Harmonies

Analogous

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



20.4197, 0.2249, 0.2594



20.4197, 0.2491, 0.2481



20.4197, 0.2911, 0.2557

Triad

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



20.4197, 0.2491, 0.2481



20.4197, 0.4130, 0.3542



20.4197, 0.2786, 0.3876

Complementary

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



20.4197, 0.2491, 0.2481



32.4793, 0.3775, 0.3983

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.



20.4197, 0.3278, 0.4179



20.4197, 0.2491, 0.2481



20.4197, 0.4072, 0.3920

Square

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



20.4197, 0.2491, 0.2481



20.4197, 0.3889, 0.3142



20.4197, 0.3752, 0.4174



20.4197, 0.2405, 0.3381

Rectangle

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



20.4197, 0.2491, 0.2481



20.4197, 0.3253, 0.2699



20.4197, 0.3752, 0.4174



20.4197, 0.2943, 0.4007

Sweetspot

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



20.4205, 0.2491, 0.2481



60.4789, 0.2956, 0.3085



34.4722, 0.2734, 0.3594



13.1841, 0.2935, 0.3059



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.



20.4205, 0.2491, 0.2481



30.4413, 0.2329, 0.2253



17.2498, 0.2588, 0.2203



8.1048, 0.2986, 0.3121



3.8481, 0.1603, 0.0970



0.1996, 0.1774, 0.1587

Inverse Universe

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



20.4224, 0.3781, 0.3018



31.0304, 0.4013, 0.2956



37.3212, 0.3545, 0.4262



8.0504, 0.3244, 0.3227



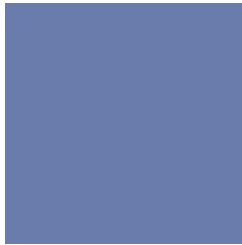
6.6915, 0.5804, 0.2971



0.1955, 0.4947, 0.2499

Previews

White Background



This preview shows how the Yxy color 20.4197, 0.2491, 0.2481 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 20.4197, 0.2491, 0.2481 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

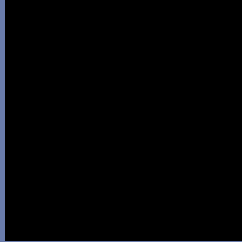
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

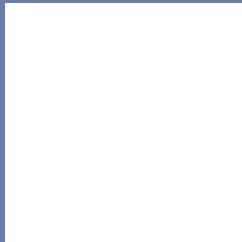
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 20.4197, 0.2491, 0.2481

Background



This preview shows how black text looks on a background with the Yxy color 20.4197, 0.2491, 0.2481.

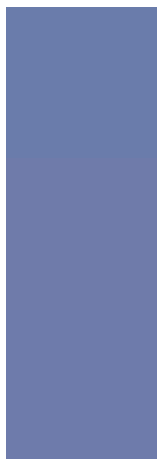


This preview shows how white text looks on a background with the Yxy color 20.4197, 0.2491, 0.2481.

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

20.4197, 0.2491, 0.2481

Protanopia

20.4477, 0.2541, 0.2487

Deuteranopia

20.4212, 0.2524, 0.2471



Tritanopia

20.4554, 0.2689, 0.3098

Trichromacy



Original Color

20.4197, 0.2491, 0.2481

Protanomaly

20.3194, 0.2523, 0.2483

Deuteranomaly

20.3574, 0.2515, 0.2469

Tritanomaly

20.4394, 0.2617, 0.2865

Monochromacy



Original Color

20.4197, 0.2491, 0.2481

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

20.1203, 0.2865, 0.2979

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.4197, 0.2491, 0.2481 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(106, 124, 171)` looks like.

```
.text, #text, p{  
    color:rgb(106, 124, 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(106, 124, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 124, 171) }
```

Border

The CSS property to change the border of an element to Yxy 20.4197, 0.2491, 0.2481 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(106, 124, 171) }
```

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

```
.border{ border-color:rgb(106, 124, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 124, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 124, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 124, 171);  
box-shadow:4px 4px 4px 4px rgb(106, 124,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 20.4197, 0.2491, 0.2481 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 124, 171) }
```

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

```
.background{ background-color: rgb(106,  
124, 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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