

Converting Colors

$Y_{xy}(20.1443, 0.2604, 0.2424)$

Have a look what the booklet for
Yxy(20.1443, 0.2604, 0.2424)
contains.

Yxy(20.0559, 0.2601, 0.2420)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(20.0559, 0.2601, 0.2420)

Conversions

Conversions Part 1

Format	Color
Hex	7777AB
RGB	119, 119, 171
RGB Percent	47%, 47%, 67%
CMY	0.5333, 0.5333, 0.3294
CMYK	0.30, 0.30, 0.00, 0.33
HSL	240°, 24%, 57%
HSV	240°, 30%, 67%
XYZ	21.5559, 20.0559, 41.2638
YIQ	124.9280, -16.6920, 16.1720

Conversions

Conversions Part 2

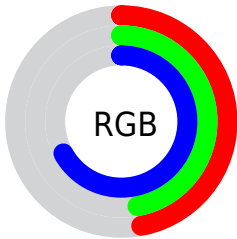
Format	Color
R_{YB}	119, 119, 171
Decimal	7829419
CIE _{Lab}	51.90, 12.24, -27.66
CIE _{LCh}	52, 30.251, 293.871
Yxy	20.0559, 0.2601, 0.2420
Android (android.graphics.Color)	4286019499 (0xFF7777AB)
YUV	124.9280, 22.7135, -5.1989
Hunter-Lab	44.7838, 7.5464, -23.2811

Details

The Yxy color $20.0559, 0.2601, 0.2420$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $39.1158, 0.3577, 0.4034$, and the grayscale version is $20.4100, 0.3127, 0.3290$.

A 20% lighter version of the original color is $43.4425, 0.2712, 0.2593$, and $7.0673, 0.2383, 0.2114$ is the 20% darker color. If you saturate the color by 10%, you get $15.2431, 0.2394, 0.2078$, and if you desaturate by 10%, it is $25.8202, 0.2794, 0.2739$.

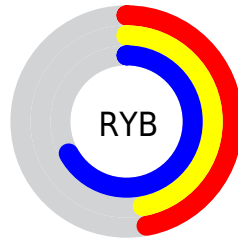
Distribution



Red (47%)

Green (47%)

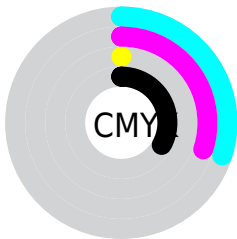
Blue (67%)



Red (47%)

Yellow (47%)

Blue (67%)

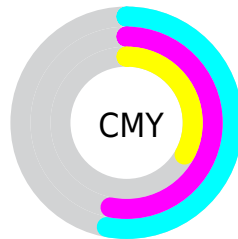


Cyan (30%)

Magenta (30%)

Yellow (0%)

Black (33%)



Cyan (53%)

Magenta (53%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.0559, 0.2601, 0.2420 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 20.0559, 0.2601, 0.2420 by changing the saturation by 10% instead.

■ 20.0559, 0.2601,
0.2420

■ 20.0559, 0.2601,
0.2420

■ 252.2176, 0.2899,
0.2892

■ 12.4357, 0.2514,
0.2291

■ 43.5109, 0.2719,
0.2600

■ 7.0411, 0.2393,
0.2119

■ 60.1144, 0.2760,
0.2665

■ 3.4878, 0.2219,
0.1880

■ 80.4812, 0.2794,
0.2719

■ 1.3914, 0.1948,
0.1532

■ 104.9957, 0.2822,
0.2764

■ 0.2104, 0.1451,
0.0612

■ 134.0421, 0.2846,
0.2803

■ 0.0000, 0.0000,
0.0000

168.0050, 0.2866,

0.2837

207.2687, 0.2884,
0.2866

■ 20.0559, 0.2601,
0.2420

■ 20.0559, 0.2601,
0.2420

■ 15.2431, 0.2394,
0.2078

■ 25.8202, 0.2794,
0.2739

■ 11.3285, 0.2182,
0.1727

■ 32.5809, 0.2968,
0.3026

■ 8.2571, 0.1976,
0.1387

■ 40.3826, 0.3121,
0.3280

■ 5.9671, 0.1794,
0.1085

■ 49.2668, 0.3255,
0.3502

■ 4.3880, 0.1649,
0.0846

■ 59.2727, 0.3371,
0.3693

■ 3.4368, 0.1553,
0.0688

■ 70.4374, 0.3470,
0.3858

■ 2.9405, 0.1500,
0.0600

■ 82.7964, 0.3556,
0.3999

■ 95.7203, 0.3626,
0.4115

Harmonies

Analogous

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



20.0559, 0.2252, 0.2450



20.0559, 0.2601, 0.2420



20.0559, 0.3120, 0.2581

Triad

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



20.0559, 0.2601, 0.2420



20.0559, 0.4244, 0.3739



20.0559, 0.2554, 0.3721

Complementary

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



20.0559, 0.2601, 0.2420



39.1158, 0.3577, 0.4034

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.



20.0559, 0.3055, 0.4176



20.0559, 0.2601, 0.2420



20.0559, 0.4044, 0.4117

Square

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



20.0559, 0.2601, 0.2420



20.0559, 0.4116, 0.3303



20.0559, 0.3602, 0.4308



20.0559, 0.2224, 0.3152

Rectangle

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



20.0559, 0.2601, 0.2420



20.0559, 0.3504, 0.2775



20.0559, 0.3602, 0.4308



20.0559, 0.2707, 0.3898

Sweetspot

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



20.0567, 0.2601, 0.2420



59.9930, 0.2988, 0.3060



35.9889, 0.2698, 0.3289



12.9628, 0.2965, 0.3022



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.



20.0567, 0.2601, 0.2420



30.3575, 0.2473, 0.2209



22.1540, 0.2872, 0.2483



7.7573, 0.2985, 0.3056



2.2167, 0.1500, 0.0600



0.0617, 0.1500, 0.0600

Inverse Universe

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



24.7920, 0.3162, 0.2550



40.1124, 0.3169, 0.2402



36.4784, 0.3323, 0.4099



8.1481, 0.3138, 0.3067



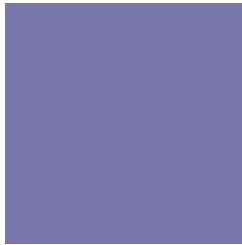
8.7427, 0.3210, 0.1542



0.2432, 0.3209, 0.1542

Previews

White Background



This preview shows how the Yxy color 20.0559, 0.2601, 0.2420 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 20.0559, 0.2601, 0.2420 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

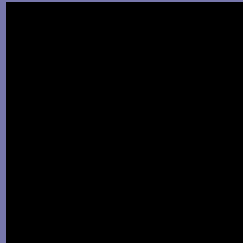
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.0559, 0.2601, 0.2420

Background



This preview shows how black text looks on a background with the Yxy color 20.0559, 0.2601, 0.2420.



This preview shows how white text looks on a background with the Yxy color 20.0559, 0.2601, 0.2420.

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

20.0559, 0.2601, 0.2420

Protanopia

20.1243, 0.2488, 0.2421

Deuteranopia

20.0726, 0.2521, 0.2465



Tritanopia

20.1440, 0.2863, 0.3102

Trichromacy



Original Color

20.0559, 0.2601, 0.2420

Protanomaly

20.0980, 0.2530, 0.2425

Deuteranomaly

20.0877, 0.2555, 0.2456

Tritanomaly

19.9807, 0.2765, 0.2821

Monochromacy



Original Color

20.0559, 0.2601, 0.2420

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

20.3299, 0.2921, 0.2950

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.0559, 0.2601, 0.2420 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(119, 119, 171)` looks like.

```
.text, #text, p{  
    color:rgb(119, 119, 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(119, 119, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 119, 171) }
```

Border

The CSS property to change the border of an element to Yxy 20.0559, 0.2601, 0.2420 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(119, 119, 171) }
```

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

```
.border{ border-color:rgb(119, 119, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 119, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 119, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 119, 171);  
box-shadow:4px 4px 4px 4px rgb(119, 119,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 20.0559, 0.2601, 0.2420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 119, 171) }
```

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

```
.background{ background-color: rgb(119,  
119, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor