

Converting Colors

$Y_{xy}(20.1679, 0.2501, 0.2835)$

Have a look what the booklet for
Yxy(20.1679, 0.2501, 0.2835)
contains.

Yxy(20.1741, 0.2506, 0.2838)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(20.1741, 0.2506, 0.2838)

Conversions

Conversions Part 1

Format	Color
Hex	5A8199
RGB	90, 129, 153
RGB Percent	35%, 51%, 60%
CMY	0.6472, 0.4941, 0.3999
CMYK	0.41, 0.16, 0.00, 0.40
HSL	203°, 26%, 48%
HSV	203°, 41%, 60%
XYZ	17.8141, 20.1741, 33.0975
YIQ	120.0750, -30.9480, -0.8040

Conversions

Conversions Part 2

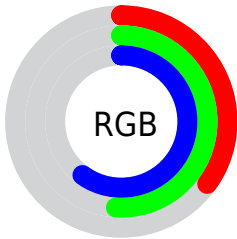
Format	Color
R_{YB}	90, 114, 153
Decimal	5931417
CIE _{Lab}	52.03, -7.11, -17.18
CIE _{LCh}	52, 18.589, 247.518
Yxy	20.1741, 0.2506, 0.2838
Android (android.graphics.Color)	4284121497 (0xFF5A8199)
YUV	120.0750, 16.2320, -26.3758
Hunter-Lab	44.9156, -7.8071, -12.2488

Details

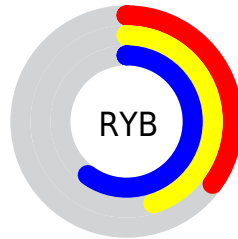
The Yxy color $20.1741, 0.2506, 0.2838$ is a dark color, and the websafe version is hex 669999 . A complement of this color would be $19.5370, 0.3972, 0.3696$, and the grayscale version is $18.7600, 0.3127, 0.3290$.

A 20% lighter version of the original color is $43.8005, 0.2647, 0.2949$, and $7.1280, 0.2273, 0.2654$ is the 20% darker color. If you saturate the color by 10%, you get $17.9941, 0.2365, 0.2705$, and if you desaturate by 10%, it is $22.6011, 0.2654, 0.2963$.

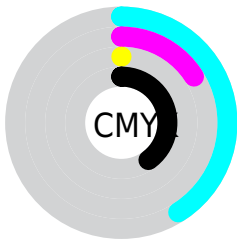
Distribution



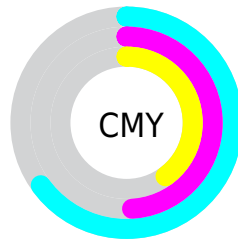
- Red (35%)
- Green (51%)
- Blue (60%)



- Red (35%)
- Yellow (45%)
- Blue (60%)



- Cyan (41%)
- Magenta (16%)
- Yellow (0%)
- Black (40%)



- Cyan (65%)
- Magenta (49%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.1741, 0.2506, 0.2838 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 20.1741, 0.2506, 0.2838 by changing the saturation by 10% instead.

■ 20.1741, 0.2506,
0.2838

■ 20.1741, 0.2506,
0.2838

■ 252.8561, 0.2852,
0.3097

■ 12.5217, 0.2406,
0.2760

■ 43.7089, 0.2641,
0.2941

■ 7.1000, 0.2269,
0.2651

■ 60.3600, 0.2689,
0.2977

■ 3.5247, 0.2070,
0.2487

■ 80.7795, 0.2729,
0.3006

■ 1.4114, 0.1760,
0.2221

■ 105.3517, 0.2761,
0.3031

■ 0.2251, 0.0225,
0.1253

■ 134.4611, 0.2789,
0.3051

■ 0.0000, 0.0000,
0.0000

168.4920, 0.2813,

0.3069

207.8289, 0.2834,
0.3084

■ 20.1741, 0.2506,
0.2838

■ 20.1741, 0.2506,
0.2838

■ 17.9941, 0.2365,
0.2705

■ 22.6011, 0.2654,
0.2963

■ 16.0476, 0.2236,
0.2566

■ 25.2830, 0.2806,
0.3078

■ 14.3229, 0.2121,
0.2423

■ 28.2303, 0.2959,
0.3184

■ 12.8063, 0.2024,
0.2279

■ 31.4522, 0.3109,
0.3279

■ 11.4817, 0.1948,
0.2136

■ 34.9570, 0.3256,
0.3365

■ 10.4424, 0.1892,
0.2012

■ 38.7531, 0.3397,
0.3441

■ 42.8481, 0.3532,
0.3509

■ 47.2495, 0.3659,
0.3568

■ 51.9646, 0.3780,
0.3620

Harmonies

Analogous

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



20.1741, 0.2505, 0.3077



20.1741, 0.2506, 0.2838



20.1741, 0.2661, 0.2731

Triad

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



20.1741, 0.2506, 0.2838



20.1741, 0.3607, 0.3161



20.1741, 0.3283, 0.3888

Complementary

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



20.1741, 0.2506, 0.2838



19.5370, 0.3972, 0.3696

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.



20.1741, 0.3594, 0.3877



20.1741, 0.2506, 0.2838



20.1741, 0.3792, 0.3443

Square

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



20.1741, 0.2506, 0.2838



20.1741, 0.3290, 0.2918



20.1741, 0.3785, 0.3706



20.1741, 0.2942, 0.3710

Rectangle

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



20.1741, 0.2506, 0.2838



20.1741, 0.2838, 0.2738



20.1741, 0.3785, 0.3706



20.1741, 0.3395, 0.3905

Sweetspot

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



20.1749, 0.2506, 0.2838



49.9829, 0.2943, 0.3173



26.1524, 0.2884, 0.4057



10.8976, 0.2925, 0.3161



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



20.1749, 0.2506, 0.2838



32.6808, 0.2382, 0.2722



13.2757, 0.2411, 0.2228



6.6312, 0.2989, 0.3203



8.6946, 0.1895, 0.2022



0.1998, 0.2065, 0.2632

Inverse Universe

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



15.6640, 0.3511, 0.2649



24.1228, 0.3626, 0.2519



27.6416, 0.3774, 0.4165



6.2837, 0.3192, 0.3153



6.2830, 0.4428, 0.2213



0.1010, 0.3793, 0.1863

Previews

White Background



This preview shows how the Yxy color 20.1741, 0.2506, 0.2838 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 20.1741, 0.2506, 0.2838 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

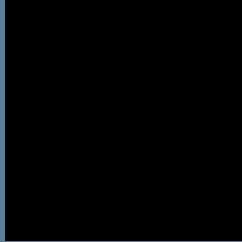
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

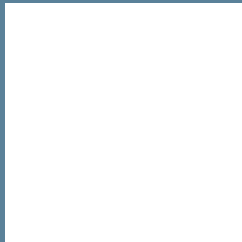
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 20.1741, 0.2506, 0.2838

Background



This preview shows how black text looks on a background with the Yxy color 20.1741, 0.2506, 0.2838.



This preview shows how white text looks on a background with the Yxy color 20.1741, 0.2506, 0.2838.

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

20.1741, 0.2506, 0.2838

Protanopia

20.1874, 0.2796, 0.2826

Deuteranopia

20.0344, 0.2758, 0.2695



Tritanopia

20.2118, 0.2575, 0.3074

Trichromacy



Original Color

20.1741, 0.2506, 0.2838

Protanomaly

20.0574, 0.2687, 0.2833

Deuteranomaly

19.9996, 0.2659, 0.2749

Tritanomaly

20.1153, 0.2548, 0.2981

Monochromacy



Original Color

20.1741, 0.2506, 0.2838

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

19.0831, 0.2867, 0.3117

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.1741, 0.2506, 0.2838 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(90, 129, 153)` looks like.

```
.text, #text, p{  
    color:rgb(90, 129, 153)  
}
```

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(90, 129, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 129, 153) }
```

Border

The CSS property to change the border of an element to Yxy 20.1741, 0.2506, 0.2838 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(90, 129, 153) }
```

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

```
.border{ border-color:rgb(90, 129, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 129, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 129, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 129, 153);  
box-shadow:4px 4px 4px 4px rgb(90, 129,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 20.1741, 0.2506, 0.2838 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 129, 153) }
```

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

```
.background{ background-color: rgb(90, 129,  
153) }
```

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