

Converting Colors

$Y_{xy}(20.2567, 0.2441, 0.1902)$

Have a look what the booklet for
Yxy(20.2567, 0.2441, 0.1902)
contains.

Yxy(20.2506, 0.2441, 0.1901)	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(20.2506, 0.2441, 0.1901)

Conversions

Conversions Part 1

Format	Color
Hex	846DCD
RGB	132, 109, 205
RGB Percent	52%, 43%, 80%
CMY	0.4822, 0.5725, 0.1962
CMYK	0.36, 0.47, 0.00, 0.20
HSL	254°, 49%, 62%
HSV	254°, 47%, 80%
XYZ	26.0030, 20.2506, 60.2724
YIQ	126.8210, -17.1080, 34.7320

Conversions

Conversions Part 2

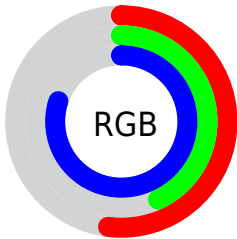
Format	Color
R_{YB}	132, 109, 205
Decimal	8678861
CIE _{Lab}	52.12, 30.97, -46.77
CIE _{LCh}	52, 56.093, 303.512
Yxy	20.2506, 0.2441, 0.1901
Android (android.graphics.Color)	4286868941 (0xFF846DCD)
YUV	126.8210, 38.5422, 4.5420
Hunter-Lab	45.0007, 24.3926, -47.9106

Details

The Yxy color $20.2506, 0.2441, 0.1901$ is a dark color, and the websafe version is hex $6666CC$. A complement of this color would be $54.6869, 0.3617, 0.4510$, and the grayscale version is $21.0304, 0.3127, 0.3290$.

A 20% lighter version of the original color is $43.4011, 0.2640, 0.2223$, and $7.1592, 0.2187, 0.1518$ is the 20% darker color. If you saturate the color by 10%, you get $15.2125, 0.2259, 0.1576$, and if you desaturate by 10%, it is $26.4972, 0.2616, 0.2231$.

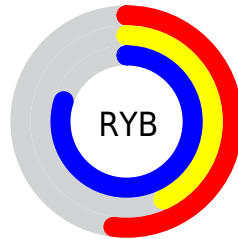
Distribution



Red (52%)

Green (43%)

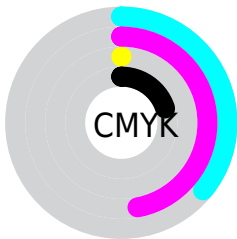
Blue (80%)



Red (52%)

Yellow (43%)

Blue (80%)

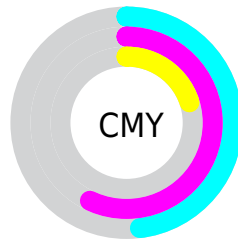


Cyan (36%)

Magenta (47%)

Yellow (0%)

Black (20%)



Cyan (48%)


Magenta (57%)

Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.2506, 0.2441, 0.1901 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 20.2506, 0.2441, 0.1901 by changing the saturation by 10% instead.


 20.2506, 0.2441,
0.1901


 20.2506, 0.2441,
0.1901


253.2685, 0.2830,
0.2606


 12.5773, 0.2331,
0.1729


 43.8369, 0.2593,
0.2156


 7.1382, 0.2184,
0.1514


 60.5188, 0.2647,
0.2253

 3.5486, 0.1981,
0.1241

 80.9723, 0.2691,
0.2334

 1.4244, 0.1689,
0.0898

 105.5819, 0.2728,
0.2404

 0.2346, 0.1284,
0.0305

134.7319, 0.2760,
0.2465

 0.0000, 0.0000,
0.0000

168.8067, 0.2787,

0.2518

208.1908, 0.2810,
0.2565

■ 20.2506, 0.2441,
0.1901

■ 20.2506, 0.2441,
0.1901

■ 15.2125, 0.2259,
0.1576

■ 26.4972, 0.2616,
0.2231

■ 11.3006, 0.2079,
0.1274

■ 34.0228, 0.2778,
0.2550

■ 8.4253, 0.1912,
0.1018

■ 42.8952, 0.2923,
0.2848

■ 6.4821, 0.1769,
0.0824

■ 53.1764, 0.3050,
0.3120

■ 5.3356, 0.1659,
0.0702

■ 64.9248, 0.3160,
0.3365

■ 5.0635, 0.1630,
0.0671

■ 78.1954, 0.3255,
0.3581

■ 93.0403, 0.3335,
0.3772

■ 97.1860, 0.3424,
0.3781

Harmonies

Analogous

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



20.2506, 0.1793, 0.1821



20.2506, 0.2441, 0.1901



20.2506, 0.3415, 0.2237

Triad

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



20.2506, 0.2441, 0.1901



20.2506, 0.5021, 0.4134



20.2506, 0.1872, 0.3716

Complementary

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



20.2506, 0.2441, 0.1901



54.6869, 0.3617, 0.4510

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.



20.2506, 0.2613, 0.4826



20.2506, 0.2441, 0.1901



20.2506, 0.4425, 0.4823

Square

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



20.2506, 0.2441, 0.1901



20.2506, 0.5079, 0.3430



20.2506, 0.3548, 0.5215



20.2506, 0.1501, 0.2658

Rectangle

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



20.2506, 0.2441, 0.1901



20.2506, 0.4131, 0.2580



20.2506, 0.3548, 0.5215



20.2506, 0.2082, 0.4120

Sweetspot

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



20.2513, 0.2441, 0.1901



74.5118, 0.2958, 0.2923



41.3482, 0.2450, 0.2966



15.1986, 0.2929, 0.2861



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



20.2513, 0.2441, 0.1901



25.0061, 0.2261, 0.1579



24.9719, 0.2910, 0.2067



10.9718, 0.3019, 0.3053



3.1905, 0.1641, 0.0678



0.2008, 0.1847, 0.0791

Inverse Universe

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



27.2864, 0.3434, 0.2398



38.0989, 0.3522, 0.2233



49.8665, 0.3236, 0.4676



11.3559, 0.3174, 0.3116



9.5858, 0.3920, 0.1933



0.5059, 0.3753, 0.1841

Previews

White Background



This preview shows how the Yxy color 20.2506, 0.2441, 0.1901 looks on a white background.

Color Contrast Check

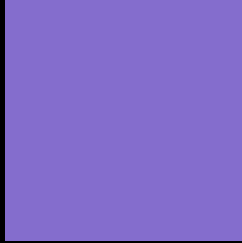
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.2506, 0.2441, 0.1901 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

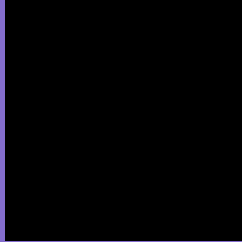
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.2506, 0.2441, 0.1901

Background



This preview shows how black text looks on a background with the Yxy color 20.2506, 0.2441, 0.1901.



This preview shows how white text looks on a background with the Yxy color 20.2506, 0.2441, 0.1901.

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

20.2506, 0.2441, 0.1901

Protanopia

20.3819, 0.2044, 0.1841

Deuteranopia

20.5512, 0.2105, 0.2047



Tritanopia

20.1984, 0.2927, 0.3105

Trichromacy



Original Color

20.2506, 0.2441, 0.1901

Protanomaly

20.1854, 0.2163, 0.1858

Deuteranomaly

20.1021, 0.2204, 0.1976

Tritanomaly

19.8693, 0.2729, 0.2586

Monochromacy



Original Color

20.2506, 0.2441, 0.1901

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

20.4666, 0.2855, 0.2694

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.2506, 0.2441, 0.1901 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(132, 109, 205)` looks like.

```
.text, #text, p{  
    color:rgb(132, 109, 205)  
}
```

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(132, 109, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 109, 205) }
```

Border

The CSS property to change the border of an element to Yxy 20.2506, 0.2441, 0.1901 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(132, 109, 205) }
```

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

```
.border{ border-color:rgb(132, 109, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 109, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 109, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 109, 205);  
box-shadow:4px 4px 4px 4px rgb(132, 109,  
205) }
```


Background

The CSS property to change the background color of an element to Yxy 20.2506, 0.2441, 0.1901 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 109, 205) }
```

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

```
.background{ background-color: rgb(132,  
109, 205) }
```

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