

Converting Colors

$Y_{xy}(22.7164, 0.2541, 0.1944)$

Have a look what the booklet for
Yxy(22.7164, 0.2541, 0.1944)
contains.

Yxy(22.7164, 0.2541, 0.1944)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(22.7164, 0.2541, 0.1944)

Conversions

Conversions Part 1

Format	Color
Hex	9371D3
RGB	147, 113, 211
RGB Percent	58%, 44%, 83%
CMY	0.4236, 0.5568, 0.1726
CMYK	0.30, 0.46, 0.00, 0.17
HSL	261°, 53%, 64%
HSV	261°, 46%, 83%
XYZ	29.6926, 22.7164, 64.4449
YIQ	134.3380, -11.1940, 37.6860

Conversions

Conversions Part 2

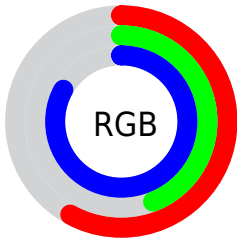
Format	Color
R_{YB}	147, 113, 211
Decimal	9662931
CIE _{Lab}	54.78, 34.18, -45.89
CIE _{LCh}	55, 57.221, 306.683
Yxy	22.7164, 0.2541, 0.1944
Android (android.graphics.Color)	4287853011 (0xFF9371D3)
YUV	134.3380, 37.7944, 11.1046
Hunter-Lab	47.6617, 27.7949, -46.8047

Details

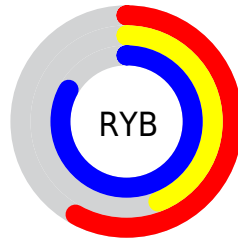
The Yxy color **22.7164, 0.2541, 0.1944** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **57.1292, 0.3529, 0.4539**, and the grayscale version is **23.8325, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.8268, 0.2756, 0.2299**, and **8.3942, 0.2323, 0.1579** is the 20% darker color. If you saturate the color by 10%, you get **17.3447, 0.2379, 0.1632**, and if you desaturate by 10%, it is **29.3368, 0.2694, 0.2261**.

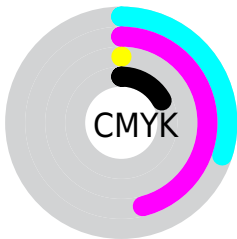
Distribution



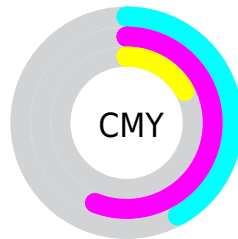
- Red (58%)
- Green (44%)
- Blue (83%)



- Red (58%)
- Yellow (44%)
- Blue (83%)



- Cyan (30%)
- Magenta (46%)
- Yellow (0%)
- Black (17%)



- Cyan (42%)
- Magenta (56%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.7164, 0.2541, 0.1944 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 22.7164, 0.2541, 0.1944 by changing the saturation by 10% instead.

■ 22.7164, 0.2541,
0.1944

■ 22.7164, 0.2541,
0.1944

266.2650, 0.2873,
0.2616

■ 14.3842, 0.2448,
0.1782

■ 47.9272, 0.2670,
0.2185

■ 8.3884, 0.2323,
0.1581

■ 65.5747, 0.2716,
0.2277

■ 4.3445, 0.2150,
0.1327

■ 87.0961, 0.2754,
0.2355

■ 1.8681, 0.1900,
0.1005

■ 112.8757, 0.2786,
0.2422

■ 0.5291, 0.1534,
0.0563

143.2980, 0.2813,
0.2480

■ 0.0000, 0.0725,
0.0000

178.7474, 0.2836,

■ 0.0000, 0.0000,

0.2531

0.0000

219.6083, 0.2856,
0.2576

■ 22.7164, 0.2541,
0.1944

■ 22.7164, 0.2541,
0.1944

■ 17.3447, 0.2379,
0.1632

■ 29.3368, 0.2694,
0.2261

■ 13.1369, 0.2215,
0.1343

■ 37.2780, 0.2833,
0.2570

■ 10.0013, 0.2056,
0.1095


■ 46.6095, 0.2958,
0.2862

■ 7.8302, 0.1913,
0.0903


■ 57.3952, 0.3066,
0.3130


■ 6.4884, 0.1793,
0.0776

■ 69.6948, 0.3159,
0.3374

 6.1255, 0.1756,
0.0741

 83.5648, 0.3238,
0.3591

 95.3619, 0.3312,
0.3731

 97.4830, 0.3388,
0.3721

Harmonies

Analogous

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



22.7164, 0.1863, 0.1837



22.7164, 0.2541, 0.1944



22.7164, 0.3523, 0.2301

Triad

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



22.7164, 0.2541, 0.1944



22.7164, 0.4952, 0.4203



22.7164, 0.1836, 0.3585

Complementary

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



22.7164, 0.2541, 0.1944



57.1292, 0.3529, 0.4539

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.



22.7164, 0.2534, 0.4701



22.7164, 0.2541, 0.1944



22.7164, 0.4327, 0.4865

Square

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



22.7164, 0.2541, 0.1944



22.7164, 0.5072, 0.3505



22.7164, 0.3448, 0.5181



22.7164, 0.1507, 0.2586

Rectangle

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



22.7164, 0.2541, 0.1944



22.7164, 0.4219, 0.2652



22.7164, 0.3448, 0.5181



22.7164, 0.2031, 0.3979

Sweetspot

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



22.7173, 0.2541, 0.1944



75.1416, 0.2984, 0.2926



40.1886, 0.2428, 0.2824



15.3507, 0.2959, 0.2865



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.



22.7173, 0.2541, 0.1944



26.5036, 0.2376, 0.1627



28.0733, 0.3012, 0.2109



11.6141, 0.3035, 0.3053



3.7484, 0.1770, 0.0749



0.2532, 0.1979, 0.0864

Inverse Universe

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



28.8364, 0.3553, 0.2517



37.3240, 0.3687, 0.2367



52.4732, 0.3166, 0.4696



11.9365, 0.3190, 0.3139



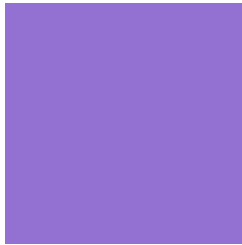
9.4825, 0.4317, 0.2152



0.5449, 0.4063, 0.2012

Previews

White Background



This preview shows how the Yxy color 22.7164, 0.2541, 0.1944 looks on a white background.

Color Contrast Check

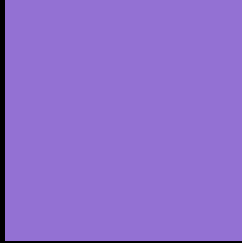
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.7164, 0.2541, 0.1944 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

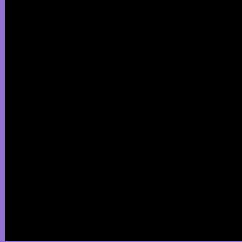
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.7164, 0.2541, 0.1944

Background



This preview shows how black text looks on a background with the Yxy color 22.7164, 0.2541, 0.1944.



This preview shows how white text looks on a background with the Yxy color 22.7164, 0.2541, 0.1944.

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

22.7164, 0.2541, 0.1944

Protanopia

22.9984, 0.2071, 0.1873

Deuteranopia

22.8614, 0.2164, 0.2106



Tritanopia

22.5805, 0.3056, 0.3100

Trichromacy



Original Color

22.7164, 0.2541, 0.1944

Protanomaly

22.6482, 0.2207, 0.1891

Deuteranomaly

22.2844, 0.2276, 0.2027

Tritanomaly

22.3224, 0.2847, 0.2600

Monochromacy



Original Color

22.7164, 0.2541, 0.1944

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

23.0193, 0.2898, 0.2709

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.7164, 0.2541, 0.1944 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(147, 113, 211)` looks like.

```
.text, #text, p{  
    color:rgb(147, 113, 211)  
}
```

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(147, 113, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 113, 211) }
```

Border

The CSS property to change the border of an element to Yxy 22.7164, 0.2541, 0.1944 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(147, 113, 211) }
```

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

```
.border{ border-color:rgb(147, 113, 211) }
```

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

Here you see how a box with a 4 pixel rgb(147, 113, 211) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 113, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 113, 211);  
box-shadow:4px 4px 4px 4px rgb(147, 113,  
211) }
```


Background

The CSS property to change the background color of an element to Yxy 22.7164, 0.2541, 0.1944 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 113, 211) }
```

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

```
.background{ background-color: rgb(147,  
113, 211) }
```

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