

Converting Colors

$Y_{xy}(21.5132, 0.2747, 0.1869)$

Have a look what the booklet for
Yxy(21.5132, 0.2747, 0.1869)
contains.

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Color

Yxy(21.5049, 0.2747, 0.1864)

Conversions

Conversions Part 1

Format	Color
Hex	A762D0
RGB	167, 98, 208
RGB Percent	65%, 38%, 82%
CMY	0.3451, 0.6157, 0.1842
CMYK	0.20, 0.53, 0.00, 0.18
HSL	278°, 54%, 60%
HSV	278°, 53%, 82%
XYZ	31.6920, 21.5049, 62.1727
YIQ	131.1710, 5.8140, 48.8380

Conversions

Conversions Part 2

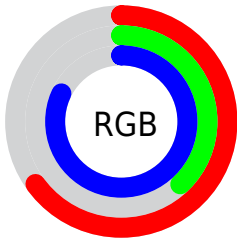
Format	Color
R_{YB}	167, 98, 208
Decimal	10969808
CIE _{Lab}	53.50, 47.16, -46.10
CIE _{LCh}	53, 65.947, 315.649
Y _{xy}	21.5049, 0.2747, 0.1864
Android (android.graphics.Color)	4289159888 (0xFFA762D0)
YUV	131.1710, 37.8767, 31.4220
Hunter-Lab	46.3734, 40.8353, -47.0286

Details

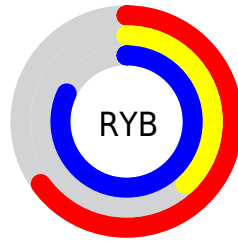
The Yxy color **21.5049, 0.2747, 0.1864** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **51.4978, 0.3324, 0.4834**, and the grayscale version is **22.6220, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.2005, 0.2917, 0.2202**, and **7.7777, 0.2579, 0.1491** is the 20% darker color. If you saturate the color by 10%, you get **17.2864, 0.2649, 0.1612**, and if you desaturate by 10%, it is **26.7872, 0.2839, 0.2137**.

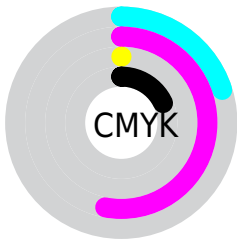
Distribution



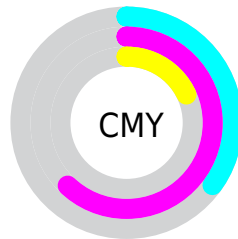
- Red (65%)
- Green (38%)
- Blue (82%)



- Red (65%)
- Yellow (38%)
- Blue (82%)



- Cyan (20%)
- Magenta (53%)
- Yellow (0%)
- Black (18%)




- Cyan (35%)
- Magenta (62%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.5049, 0.2747, 0.1864 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 21.5049, 0.2747, 0.1864 by changing the saturation by 10% instead.


 21.5049, 0.2747,
0.1864


 21.5049, 0.2747,
0.1864

259.9497, 0.2979,
0.2569


 13.4936, 0.2676,
0.1697


 45.9263, 0.2841,
0.2115


 7.7693, 0.2579,
0.1491


 63.1052, 0.2873,
0.2211

 3.9477, 0.2439,
0.1232


 84.1087, 0.2900,
0.2293

 1.6443, 0.2227,
0.0910

 109.3213, 0.2921,
0.2363

 0.3872, 0.1908,
0.0430

139.1273, 0.2939,
0.2425

 0.0000, 0.1233,
0.0000

173.9111, 0.2955,

 0.0000, 0.0000,

0.2478

0.0000

214.0571, 0.2968,
0.2526

■ 21.5049, 0.2747,
0.1864

■ 21.5049, 0.2747,
0.1864

■ 17.2864, 0.2649,
0.1612

■ 26.7872, 0.2839,
0.2137

■ 14.0481, 0.2548,
0.1394

■ 33.2031, 0.2922,
0.2418

■ 11.6978, 0.2447,
0.1220

■ 40.8194, 0.2996,
0.2697

■ 10.1235, 0.2351,
0.1096

■ 49.6968, 0.3059,
0.2966

■ 9.3382, 0.2286,
0.1033

■ 59.8918, 0.3113,
0.3220

■ 71.4575, 0.3158,
0.3455

■ 84.4440, 0.3196,
0.3670

■ 92.7421, 0.3236,
0.3776

■ 94.0470, 0.3286,
0.3768

Harmonies

Analogous

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



21.5049, 0.1874, 0.1659



21.5049, 0.2747, 0.1864



21.5049, 0.3952, 0.2328

Triad

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



21.5049, 0.2747, 0.1864



21.5049, 0.5009, 0.4493



21.5049, 0.1493, 0.3211

Complementary

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



21.5049, 0.2747, 0.1864



51.4978, 0.3324, 0.4834

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.



21.5049, 0.2139, 0.4621



21.5049, 0.2747, 0.1864



21.5049, 0.4154, 0.5252

Square

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



21.5049, 0.2747, 0.1864



21.5049, 0.5402, 0.3699



21.5049, 0.3120, 0.5488



21.5049, 0.1273, 0.2211

Rectangle

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



21.5049, 0.2747, 0.1864



21.5049, 0.4727, 0.2745



21.5049, 0.3120, 0.5488



21.5049, 0.1659, 0.3665

Sweetspot

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



21.5058, 0.2747, 0.1864



73.9026, 0.3039, 0.2879



25.9591, 0.2243, 0.2255



15.1851, 0.3026, 0.2823



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.



21.5058, 0.2747, 0.1864



26.9036, 0.2640, 0.1592



26.0972, 0.3327, 0.2157



11.7797, 0.3079, 0.3057



5.8751, 0.2298, 0.1040



0.3729, 0.2466, 0.1132

Inverse Universe

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



24.0131, 0.4062, 0.2783



31.6691, 0.4374, 0.2709



48.8658, 0.2982, 0.4784



11.8801, 0.3233, 0.3204



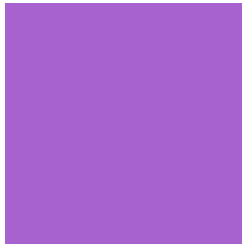
8.7139, 0.5471, 0.2787



0.5024, 0.4968, 0.2511

Previews

White Background



This preview shows how the Yxy color 21.5049, 0.2747, 0.1864 looks on a white background.

Color Contrast Check

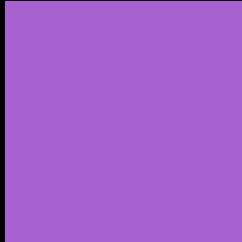
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.5049, 0.2747, 0.1864 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

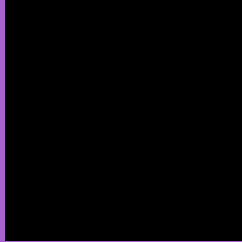
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.5049, 0.2747, 0.1864

Background



This preview shows how black text looks on a background with the Yxy color 21.5049, 0.2747, 0.1864.



This preview shows how white text looks on a background with the Yxy color 21.5049, 0.2747, 0.1864.

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

21.5049, 0.2747, 0.1864

Protanopia

22.0063, 0.1959, 0.1734

Deuteranopia

21.7288, 0.2167, 0.2111



Tritanopia

21.3592, 0.3478, 0.3143

Trichromacy



Original Color

21.5049, 0.2747, 0.1864



Protanomaly

20.8314, 0.2151, 0.1739



Deuteranomaly

20.7952, 0.2327, 0.1978



Tritanomaly

21.1401, 0.3196, 0.2601

Monochromacy



Original Color

21.5049, 0.2747, 0.1864



Achromatopsia

22.6966, 0.3127, 0.3290



Achromatomaly

21.6261, 0.2982, 0.2648

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.5049, 0.2747, 0.1864 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(167, 98, 208)` looks like.

```
.text, #text, p{  
    color:rgb(167, 98, 208)  
}
```

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(167, 98, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 98, 208) }
```

Border

The CSS property to change the border of an element to Yxy 21.5049, 0.2747, 0.1864 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(167, 98, 208) }
```

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

```
.border{ border-color:rgb(167, 98, 208) }
```

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

Here you see how a box with a 4 pixel rgb(167, 98, 208) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 98, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 98, 208);  
box-shadow:4px 4px 4px 4px rgb(167, 98,  
208) }
```


Background

The CSS property to change the background color of an element to Yxy 21.5049, 0.2747, 0.1864 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 98, 208) }
```

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

```
.background{ background-color: rgb(167, 98,  
208) }
```

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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