

Converting Colors

$Y_{xy}(21.0701, 0.2758, 0.2134)$

Have a look what the booklet for
Yxy(21.0701, 0.2758, 0.2134)
contains.

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Color

Yxy(21.0521, 0.2757, 0.2140)

Conversions

Conversions Part 1

Format	Color
Hex	966DBC
RGB	150, 109, 188
RGB Percent	59%, 43%, 74%
CMY	0.4118, 0.5725, 0.2628
CMYK	0.20, 0.42, 0.00, 0.26
HSL	271°, 37%, 58%
HSV	271°, 42%, 74%
XYZ	27.1218, 21.0521, 50.2004
YIQ	130.2650, -0.9230, 33.2610

Conversions

Conversions Part 2

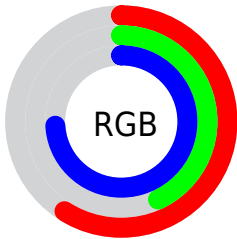
Format	Color
R _{YB}	150, 109, 188
Decimal	9858492
CIE _{Lab}	53.01, 31.74, -35.53
CIE _{LCh}	53, 47.639, 311.772
Y _{xy}	21.0521, 0.2757, 0.2140
Android (android.graphics.Color)	4288048572 (0xFF966DBC)
YUV	130.2650, 28.4634, 17.3076
Hunter-Lab	45.8826, 25.2192, -32.7518

Details

The Yxy color **21.0521, 0.2757, 0.2140** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **43.2648, 0.3374, 0.4454**, and the grayscale version is **22.3200, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.0614, 0.2838, 0.2351**, and **7.4943, 0.2597, 0.1794** is the 20% darker color. If you saturate the color by 10%, you get **16.6370, 0.2640, 0.1851**, and if you desaturate by 10%, it is **26.3927, 0.2864, 0.2433**.

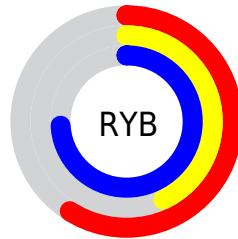
Distribution



Red (59%)

Green (43%)

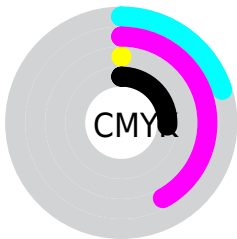
Blue (74%)



Red (59%)

Yellow (43%)

Blue (74%)

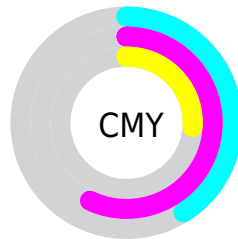


Cyan (20%)

Magenta (42%)

Yellow (0%)

Black (26%)



Cyan (41%)


Magenta (57%)


Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.0521, 0.2757, 0.2140 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 21.0521, 0.2757, 0.2140 by changing the saturation by 10% instead.


 21.0521, 0.2757,
0.2140


 21.0521, 0.2757,
0.2140


257.5552, 0.2976,
0.2734


 13.1621, 0.2691,
0.1989

 45.1742, 0.2845,
0.2358


 7.5403, 0.2598,
0.1796


 62.1751, 0.2876,
0.2440

 3.8022, 0.2463,
0.1542


 82.9818, 0.2900,
0.2508

 1.5635, 0.2251,
0.1202

 107.9786, 0.2921,
0.2567

 0.3328, 0.1930,
0.0575

137.5500, 0.2938,
0.2617

 0.0000, 0.0210,
0.0000

172.0803, 0.2953,

 0.0000, 0.0000,

0.2661

0.0000

211.9539, 0.2965,
0.2700

■ 21.0521, 0.2757,
0.2140

■ 21.0521, 0.2757,
0.2140

■ 16.6370, 0.2640,
0.1851

■ 26.3927, 0.2864,
0.2433

■ 13.0881, 0.2515,
0.1578

■ 32.7081, 0.2960,
0.2718

■ 10.3432, 0.2387,
0.1336

■ 40.0468, 0.3043,
0.2990

■ 8.3303, 0.2263,
0.1138

■ 48.4534, 0.3114,
0.3242

■ 6.9634, 0.2146,
0.0993

■ 57.9699, 0.3174,
0.3473

6.2034, 0.2060,
0.0908

68.6359, 0.3225,
0.3682

80.4890, 0.3267,
0.3871

90.7308, 0.3308,
0.3998

92.1996, 0.3367,
0.3985

Harmonies

Analogous

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



21.0521, 0.2100, 0.2007



21.0521, 0.2757, 0.2140



21.0521, 0.3629, 0.2497

Triad

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



21.0521, 0.2757, 0.2140



21.0521, 0.4664, 0.4238



21.0521, 0.1933, 0.3392

Complementary

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



21.0521, 0.2757, 0.2140



43.2648, 0.3374, 0.4454

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.



21.0521, 0.2510, 0.4332



21.0521, 0.2757, 0.2140



21.0521, 0.4087, 0.4750

Square

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



21.0521, 0.2757, 0.2140



21.0521, 0.4826, 0.3620



21.0521, 0.3300, 0.4870



21.0521, 0.1680, 0.2589

Rectangle

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



21.0521, 0.2757, 0.2140



21.0521, 0.4200, 0.2831



21.0521, 0.3300, 0.4870



21.0521, 0.2091, 0.3713

Sweetspot

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



21.0529, 0.2757, 0.2140



70.8965, 0.3034, 0.2958



27.8045, 0.2456, 0.2643



14.5885, 0.3016, 0.2899



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



21.0529, 0.2757, 0.2140



31.0291, 0.2654, 0.1885



25.2013, 0.3189, 0.2287



9.4623, 0.3063, 0.3059



4.2690, 0.2072, 0.0915



0.2060, 0.2334, 0.1059

Inverse Universe

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



23.7339, 0.3671, 0.2769



36.7410, 0.3842, 0.2665



40.3432, 0.3059, 0.4550



9.6107, 0.3215, 0.3180



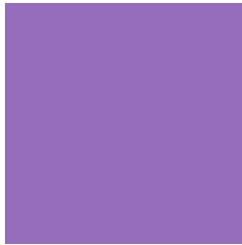
7.8015, 0.5014, 0.2536



0.3188, 0.4471, 0.2237

Previews

White Background



This preview shows how the Yxy color 21.0521, 0.2757, 0.2140 looks on a white background.

Color Contrast Check

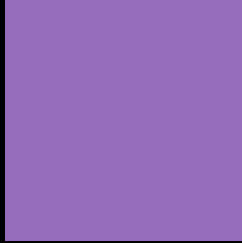
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.0521, 0.2757, 0.2140 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

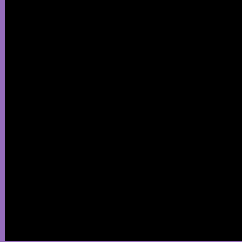
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.0521, 0.2757, 0.2140

Background



This preview shows how black text looks on a background with the Yxy color 21.0521, 0.2757, 0.2140.



This preview shows how white text looks on a background with the Yxy color 21.0521, 0.2757, 0.2140.

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

21.0521, 0.2757, 0.2140

Protanopia

21.2290, 0.2230, 0.2078

Deuteranopia

21.3081, 0.2371, 0.2317



Tritanopia

20.8889, 0.3246, 0.3118

Trichromacy



Original Color

21.0521, 0.2757, 0.2140

Protanomaly

20.9611, 0.2393, 0.2099

Deuteranomaly

20.9712, 0.2493, 0.2241

Tritanomaly

20.9189, 0.3058, 0.2718

Monochromacy



Original Color

21.0521, 0.2757, 0.2140

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

21.4718, 0.2986, 0.2805

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.0521, 0.2757, 0.2140 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(150, 109, 188)` looks like.

```
.text, #text, p{  
    color:rgb(150, 109, 188)  
}
```

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(150, 109, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 109, 188) }
```

Border

The CSS property to change the border of an element to Yxy 21.0521, 0.2757, 0.2140 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(150, 109, 188) }
```

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

```
.border{ border-color:rgb(150, 109, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 109, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 109, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 109, 188);  
box-shadow:4px 4px 4px 4px rgb(150, 109,  
188) }
```


Background

The CSS property to change the background color of an element to Yxy 21.0521, 0.2757, 0.2140 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 109, 188) }
```

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

```
.background{ background-color: rgb(150,  
109, 188) }
```

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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