

Converting Colors

$Y_{xy}(21.5930, 0.2481, 0.1679)$

Have a look what the booklet for
Yxy(21.5930, 0.2481, 0.1679)
contains.

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Color

Yxy(21.6290, 0.2481, 0.1680)

Conversions

Conversions Part 1

Format	Color
Hex	9B64E3
RGB	155, 100, 227
RGB Percent	61%, 39%, 89%
CMY	0.3921, 0.6078, 0.1098
CMYK	0.32, 0.56, 0.00, 0.11
HSL	266°, 69%, 64%
HSV	266°, 56%, 89%
XYZ	31.9414, 21.6290, 75.1736
YIQ	130.9230, -7.9870, 51.1570

Conversions

Conversions Part 2

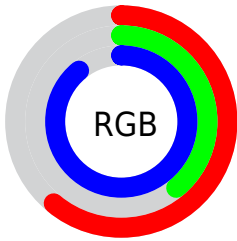
Format	Color
R _Y B	155, 100, 227
Decimal	10183907
CIE Lab	53.63, 47.49, -56.71
CIE LCh	54, 73.969, 309.942
Yxy	21.6290, 0.2481, 0.1680
Android (android.graphics.Color)	4288373987 (0xFF9B64E3)
YUV	130.9230, 47.3660, 21.1155
Hunter-Lab	46.5070, 41.2081, -63.2811

Details

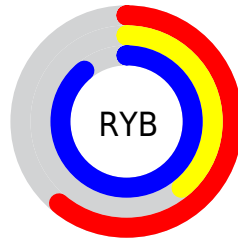
The Yxy color **21.6290, 0.2481, 0.1680** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **64.6371, 0.3505, 0.4842**, and the grayscale version is **22.4987, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.1486, 0.2828, 0.2195**, and **7.8741, 0.2241, 0.1294** is the 20% darker color. If you saturate the color by 10%, you get **16.6588, 0.2333, 0.1402**, and if you desaturate by 10%, it is **27.9494, 0.2625, 0.1981**.

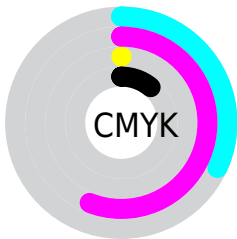
Distribution



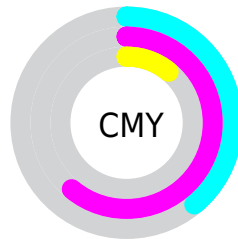
- Red (61%)
- Green (39%)
- Blue (89%)



- Red (61%)
- Yellow (39%)
- Blue (89%)



- Cyan (32%)
- Magenta (56%)
- Yellow (0%)
- Black (11%)





- Cyan (39%)
- Magenta (61%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.6290, 0.2481, 0.1680 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 21.6290, 0.2481, 0.1680 by changing the saturation by 10% instead.


 21.6290, 0.2481,
0.1680


 21.6290, 0.2481,
0.1680


260.6027, 0.2852,
0.2456


 13.5845, 0.2378,
0.1504


 46.1320, 0.2625,
0.1950

 7.8323, 0.2241,
0.1292


 63.3594, 0.2676,
0.2056

 3.9878, 0.2054,
0.1036


 84.4166, 0.2719,
0.2146

 1.6668, 0.1793,
0.0731

 109.6879, 0.2754,
0.2225

 0.4020, 0.1430,
0.0328

139.5578, 0.2785,
0.2294

 0.0000, 0.0836,
0.0000

174.4106, 0.2810,

 0.0000, 0.0000,

0.2354

0.0000

214.6307, 0.2833,
0.2408

■ 21.6290, 0.2481,
0.1680

■ 21.6290, 0.2481,
0.1680

■ 16.6588, 0.2333,
0.1402

■ 27.9494, 0.2625,
0.1981

■ 12.9287, 0.2187,
0.1163

■ 35.7133, 0.2758,
0.2288

■ 10.3141, 0.2051,
0.0978

■ 45.0083, 0.2879,
0.2590

■ 8.6609, 0.1931,
0.0852

■ 55.9142, 0.2986,
0.2877

■ 8.1608, 0.1887,
0.0813

■ 68.5050, 0.3079,
0.3143

 82.8502, 0.3158,
0.3385

 96.4965, 0.3228,
0.3567

 98.3268, 0.3291,
0.3562

Harmonies

Analogous

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



21.6290, 0.1633, 0.1516



21.6290, 0.2481, 0.1680



21.6290, 0.3769, 0.2123

Triad

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



21.6290, 0.2481, 0.1680



21.6290, 0.5286, 0.4360



21.6290, 0.1429, 0.3463

Complementary

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



21.6290, 0.2481, 0.1680



64.6371, 0.3505, 0.4842

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.



21.6290, 0.2195, 0.5088



21.6290, 0.2481, 0.1680



21.6290, 0.4390, 0.5262

Square

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



21.6290, 0.2481, 0.1680



21.6290, 0.5629, 0.3524



21.6290, 0.3283, 0.5791



21.6290, 0.1135, 0.2239

Rectangle

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



21.6290, 0.2481, 0.1680



21.6290, 0.4682, 0.2544



21.6290, 0.3283, 0.5791



21.6290, 0.1631, 0.4010

Sweetspot

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



21.6298, 0.2481, 0.1680



71.0253, 0.2975, 0.2844



38.5631, 0.2268, 0.2551



14.5617, 0.2954, 0.2787



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.



21.6298, 0.2481, 0.1680



20.8671, 0.2311, 0.1364



29.3252, 0.3082, 0.1928



14.1908, 0.3048, 0.3052



4.8248, 0.1902, 0.0822



0.4106, 0.2066, 0.0912

Inverse Universe

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



28.4260, 0.3821, 0.2486



30.9606, 0.4039, 0.2370



59.2181, 0.3099, 0.5058



14.5042, 0.3204, 0.3158



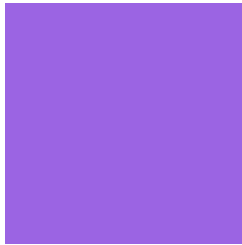
10.4677, 0.4673, 0.2348



0.7921, 0.4400, 0.2198

Previews

White Background



This preview shows how the Yxy color 21.6290, 0.2481, 0.1680 looks on a white background.

Color Contrast Check

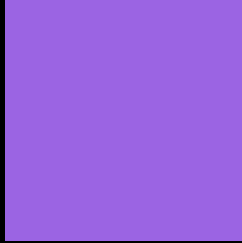
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.6290, 0.2481, 0.1680 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

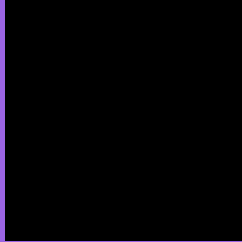
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.6290, 0.2481, 0.1680

Background



This preview shows how black text looks on a background with the Yxy color 21.6290, 0.2481, 0.1680.



This preview shows how white text looks on a background with the Yxy color 21.6290, 0.2481, 0.1680.

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

21.6290, 0.2481, 0.1680

Protanopia

22.0965, 0.1820, 0.1544

Deuteranopia

22.0556, 0.1955, 0.1897



Tritanopia

21.4549, 0.3171, 0.3117

Trichromacy



Original Color

21.6290, 0.2481, 0.1680

Protanomaly

20.8072, 0.1957, 0.1546

Deuteranomaly

20.8485, 0.2073, 0.1769

Tritanomaly

21.0179, 0.2888, 0.2458

Monochromacy



Original Color

21.6290, 0.2481, 0.1680

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

21.7616, 0.2867, 0.2555

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.6290, 0.2481, 0.1680 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(155, 100, 227)` looks like.

```
.text, #text, p{  
    color:rgb(155, 100, 227)  
}
```

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(155, 100, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 100, 227) }
```

Border

The CSS property to change the border of an element to Yxy 21.6290, 0.2481, 0.1680 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(155, 100, 227) }
```

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

```
.border{ border-color:rgb(155, 100, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 100, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 100, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 100, 227);  
box-shadow:4px 4px 4px 4px rgb(155, 100,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 21.6290, 0.2481, 0.1680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 100, 227) }
```

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

```
.background{ background-color: rgb(155,  
100, 227) }
```

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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