

Converting Colors

$Y_{xy}(21.4525, 0.2286, 0.1539)$

Have a look what the booklet for
Yxy(21.4525, 0.2286, 0.1539)
contains.

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Color

Yxy(21.5578, 0.2286, 0.1539)

Conversions

Conversions Part 1

Format	Color
Hex	8F65F2
RGB	143, 101, 242
RGB Percent	56%, 40%, 95%
CMY	0.4389, 0.6041, 0.0509
CMYK	0.41, 0.58, 0.00, 0.05
HSL	258°, 84%, 67%
HSV	258°, 58%, 95%
XYZ	32.0215, 21.5578, 86.4973
YIQ	129.6320, -20.2290, 52.7550

Conversions

Conversions Part 2

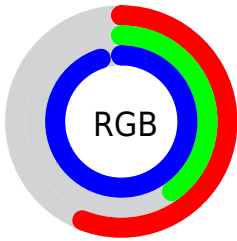
Format	Color
R _Y B	143, 101, 242
Decimal	9397746
CIE _{Lab}	53.55, 48.11, -65.31
CIE _{LCh}	54, 81.115, 306.377
Yxy	21.5578, 0.2286, 0.1539
Android (android.graphics.Color)	4287587826 (0xFF8F65F2)
YUV	129.6320, 55.3974, 11.7237
Hunter-Lab	46.4304, 41.8525, -77.9529

Details

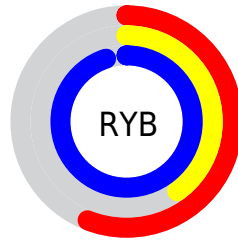
The Yxy color **21.5578, 0.2286, 0.1539** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **76.7237, 0.3649, 0.4835**, and the grayscale version is **21.9942, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.5590, 0.2740, 0.2168**, and **7.7553, 0.1999, 0.1140** is the 20% darker color. If you saturate the color by 10%, you get **16.1297, 0.2113, 0.1249**, and if you desaturate by 10%, it is **28.5997, 0.2460, 0.1857**.

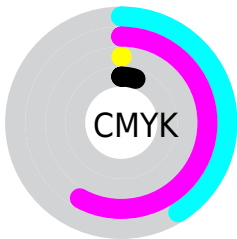
Distribution



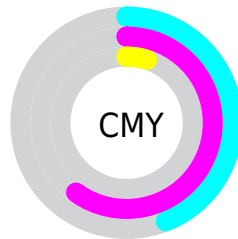
- Red (56%)
- Green (40%)
- Blue (95%)



- Red (56%)
- Yellow (40%)
- Blue (95%)



- Cyan (41%)
- Magenta (58%)
- Yellow (0%)
- Black (5%)




- Cyan (44%)
- Magenta (60%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.5578, 0.2286, 0.1539 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 21.5578, 0.2286, 0.1539 by changing the saturation by 10% instead.


 21.5578, 0.2286,
0.1539


 21.5578, 0.2286,
0.1539


260.2282, 0.2754,
0.2366


 13.5323, 0.2162,
0.1359


 46.0140, 0.2463,
0.1822

 7.7961, 0.2003,
0.1146


 63.2136, 0.2528,
0.1934

 3.9648, 0.1793,
0.0895


 84.2400, 0.2582,
0.2030

 1.6539, 0.1514,
0.0609

 109.4776, 0.2627,
0.2115

 0.3935, 0.1148,
0.0256

139.3109, 0.2666,
0.2189

 0.0000, 0.0625,
0.0000

174.1241, 0.2699,

 0.0000, 0.0000,

0.2255

0.0000

214.3018, 0.2729,
0.2313

■ 21.5578, 0.2286,
0.1539

■ 21.5578, 0.2286,
0.1539

■ 16.1297, 0.2113,
0.1249

■ 28.5997, 0.2460,
0.1857

■ 12.1776, 0.1952,
0.1007

■ 37.3732, 0.2627,
0.2183

■ 9.5430, 0.1813,
0.0828

■ 47.9872, 0.2781,
0.2502


■ 8.0056, 0.1702,
0.0718

■ 60.5409, 0.2919,
0.2803

■ 7.8006, 0.1686,
0.0702

■ 75.1264, 0.3040,
0.3081

 91.8297, 0.3144,
0.3331

 99.1923, 0.3203,
0.3415

Harmonies

Analogous

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



21.5578, 0.1457, 0.1403



21.5578, 0.2286, 0.1539



21.5578, 0.3634, 0.1967

Triad

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



21.5578, 0.2286, 0.1539



21.5578, 0.5498, 0.4248



21.5578, 0.1363, 0.3670

Complementary

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



21.5578, 0.2286, 0.1539



76.7237, 0.3649, 0.4835

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.



21.5578, 0.2214, 0.5476



21.5578, 0.2286, 0.1539



21.5578, 0.4552, 0.5248

Square

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



21.5578, 0.2286, 0.1539



21.5578, 0.5818, 0.3389



21.5578, 0.3377, 0.6005



21.5578, 0.1022, 0.2247

Rectangle

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



21.5578, 0.2286, 0.1539



21.5578, 0.4656, 0.2391



21.5578, 0.3377, 0.6005



21.5578, 0.1590, 0.4301

Sweetspot

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



21.5585, 0.2286, 0.1539



70.0747, 0.2935, 0.2839



51.4440, 0.2290, 0.2771



14.3385, 0.2909, 0.2781



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.



21.5585, 0.2286, 0.1539



17.1884, 0.2081, 0.1199



29.6285, 0.2898, 0.1801



15.4575, 0.3026, 0.3049



4.2513, 0.1701, 0.0710



0.4034, 0.1839, 0.0787

Inverse Universe

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



32.3463, 0.3637, 0.2276



30.7479, 0.3784, 0.2136



69.3253, 0.3196, 0.5088



15.9463, 0.3184, 0.3126



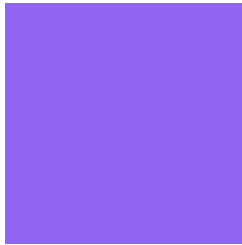
11.7200, 0.4140, 0.2054



0.9924, 0.3988, 0.1971

Previews

White Background



This preview shows how the Yxy color 21.5578, 0.2286, 0.1539 looks on a white background.

Color Contrast Check

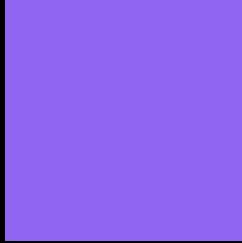
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.5578, 0.2286, 0.1539 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

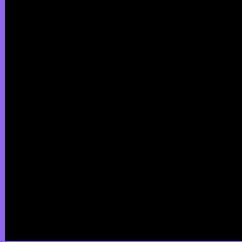
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.5578, 0.2286, 0.1539

Background



This preview shows how black text looks on a background with the Yxy color 21.5578, 0.2286, 0.1539.



This preview shows how white text looks on a background with the Yxy color 21.5578, 0.2286, 0.1539.

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

21.5578, 0.2286, 0.1539

Protanopia

21.8173, 0.1788, 0.1502

Deuteranopia

21.6784, 0.1828, 0.1780



Tritanopia

21.4865, 0.2911, 0.3109

Trichromacy



Original Color

21.5578, 0.2286, 0.1539



Protanomaly

20.7414, 0.1886, 0.1479



Deuteranomaly

19.8642, 0.1856, 0.1612



Tritanomaly

20.9174, 0.2648, 0.2373

Monochromacy



Original Color

21.5578, 0.2286, 0.1539



Achromatopsia

22.3228, 0.3127, 0.3290



Achromatomaly

21.2848, 0.2764, 0.2458

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.5578, 0.2286, 0.1539 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(143, 101, 242)` looks like.

```
.text, #text, p{  
    color:rgb(143, 101, 242)  
}
```

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(143, 101, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 101, 242) }
```

Border

The CSS property to change the border of an element to Yxy 21.5578, 0.2286, 0.1539 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(143, 101, 242) }
```

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

```
.border{ border-color:rgb(143, 101, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 101, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 101, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 101, 242);  
box-shadow:4px 4px 4px 4px rgb(143, 101,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 21.5578, 0.2286, 0.1539 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 101, 242) }
```

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

```
.background{ background-color: rgb(143,  
101, 242) }
```

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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