

Converting Colors

$Y_{xy}(20.4877, 0.2318, 0.1465)$

Have a look what the booklet for
Yxy(20.4877, 0.2318, 0.1465)
contains.

Yxy(20.5149, 0.2315, 0.1466)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(20.5149, 0.2315, 0.1466)

Conversions

Conversions Part 1

Format	Color
Hex	955CF3
RGB	149, 92, 243
RGB Percent	58%, 36%, 95%
CMY	0.4157, 0.6392, 0.0472
CMYK	0.39, 0.62, 0.00, 0.05
HSL	263°, 86%, 66%
HSV	263°, 62%, 95%
XYZ	32.3956, 20.5149, 87.0274
YIQ	126.2570, -14.4990, 59.0450

Conversions

Conversions Part 2

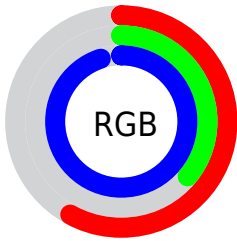
Format	Color
R _{YB}	149, 92, 243
Decimal	9788659
CIE Lab	52.41, 54.37, -67.65
CIE LCh	52, 86.794, 308.790
Yxy	20.5149, 0.2315, 0.1466
Android (android.graphics.Color)	4287978739 (0xFF955CF3)
YUV	126.2570, 57.5543, 19.9456
Hunter-Lab	45.2934, 48.4069, -82.2154

Details

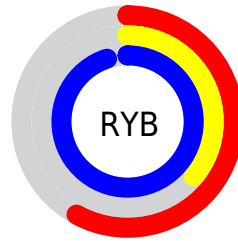
The Yxy color **20.5149, 0.2315, 0.1466** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **75.2980, 0.3583, 0.4976**, and the grayscale version is **20.7618, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.8807, 0.2783, 0.2100**, and **7.3047, 0.2031, 0.1069** is the 20% darker color. If you saturate the color by 10%, you get **15.6274, 0.2157, 0.1202**, and if you desaturate by 10%, it is **26.9379, 0.2475, 0.1764**.

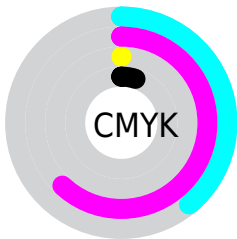
Distribution



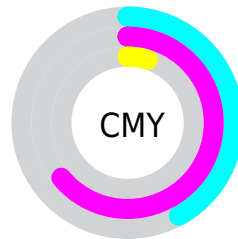
- Red (58%)
- Green (36%)
- Blue (95%)



- Red (58%)
- Yellow (36%)
- Blue (95%)



- Cyan (39%)
- Magenta (62%)
- Yellow (0%)
- Black (5%)





- Cyan (42%)
- Magenta (64%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.5149, 0.2315, 0.1466 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 20.5149, 0.2315, 0.1466 by changing the saturation by 10% instead.


 20.5149, 0.2315,
0.1466

 20.5149, 0.2315,
0.1466


254.6891, 0.2775,
0.2320


 12.7699, 0.2192,
0.1283


 44.2788, 0.2490,
0.1756


 7.2703, 0.2033,
0.1068

 61.0664, 0.2554,
0.1871

 3.6317, 0.1823,
0.0818


 81.6371, 0.2607,
0.1971

 1.4697, 0.1542,
0.0539

 106.3751, 0.2651,
0.2059

 0.2673, 0.1177,
0.0173

135.6649, 0.2689,
0.2136

 0.0000, 0.0655,
0.0000

169.8910, 0.2722,

 0.0000, 0.0000,

0.2204

0.0000

209.4375, 0.2750,
0.2265

■ 20.5149, 0.2315,
0.1466

■ 20.5149, 0.2315,
0.1466

■ 15.6274, 0.2157,
0.1202

■ 26.9379, 0.2475,
0.1764

■ 12.1320, 0.2009,
0.0990

■ 35.0175, 0.2628,
0.2078


■ 9.8599, 0.1879,
0.0840

■ 44.8650, 0.2771,
0.2393

■ 8.7305, 0.1793,
0.0761

■ 56.5810, 0.2899,
0.2695

■ 70.2583, 0.3011,
0.2979

 85.9836, 0.3108,
0.3238

 99.2267, 0.3196,
0.3405

 99.2497, 0.3197,
0.3405

Harmonies

Analogous

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



20.5149, 0.1410, 0.1300



20.5149, 0.2315, 0.1466



20.5149, 0.3799, 0.1931

Triad

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



20.5149, 0.2315, 0.1466



20.5149, 0.5550, 0.4311



20.5149, 0.1194, 0.3524

Complementary

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



20.5149, 0.2315, 0.1466



75.2980, 0.3583, 0.4976

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.



20.5149, 0.2025, 0.5576



20.5149, 0.2315, 0.1466



20.5149, 0.4491, 0.5424

Square

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



20.5149, 0.2315, 0.1466



20.5149, 0.6014, 0.3405



20.5149, 0.3223, 0.6249



20.5149, 0.0900, 0.2070

Rectangle

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



20.5149, 0.2315, 0.1466



20.5149, 0.4905, 0.2380



20.5149, 0.3223, 0.6249



20.5149, 0.1408, 0.4214

Sweetspot

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



20.5156, 0.2315, 0.1466



67.6096, 0.2935, 0.2785



44.5512, 0.2207, 0.2555



13.5803, 0.2901, 0.2702



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.



20.5156, 0.2315, 0.1466



16.0882, 0.2110, 0.1131



29.7900, 0.2998, 0.1773



16.2315, 0.3038, 0.3049



4.8637, 0.1809, 0.0770



0.4843, 0.1947, 0.0846

Inverse Universe

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



30.2518, 0.3832, 0.2335



28.3095, 0.4051, 0.2223



68.3141, 0.3125, 0.5248



16.6560, 0.3196, 0.3144



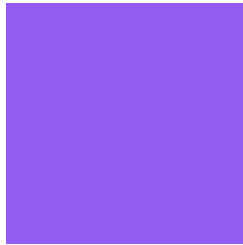
11.7161, 0.4450, 0.2225



1.0497, 0.4252, 0.2116

Previews

White Background



This preview shows how the Yxy color 20.5149, 0.2315, 0.1466 looks on a white background.

Color Contrast Check

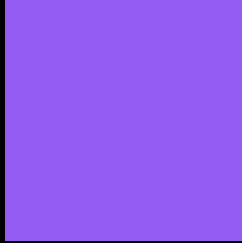
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.5149, 0.2315, 0.1466 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

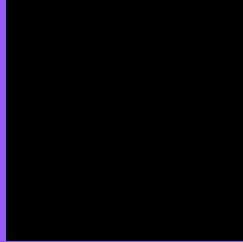
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.5149, 0.2315, 0.1466

Background



This preview shows how black text looks on a background with the Yxy color 20.5149, 0.2315, 0.1466.



This preview shows how white text looks on a background with the Yxy color 20.5149, 0.2315, 0.1466.

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

20.5149, 0.2315, 0.1466

Protanopia

20.7385, 0.1744, 0.1451

Deuteranopia

20.5606, 0.1830, 0.1788



Tritanopia

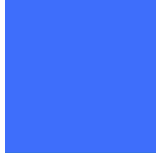
20.4687, 0.3040, 0.3127

Trichromacy



Original Color

20.5149, 0.2315, 0.1466



Protanomaly

19.1410, 0.1813, 0.1389



Deuteranomaly

18.5884, 0.1852, 0.1568



Tritanomaly

19.6738, 0.2727, 0.2316

Monochromacy



Original Color

20.5149, 0.2315, 0.1466



Achromatopsia

20.8637, 0.3127, 0.3290



Achromatomaly

19.9675, 0.2767, 0.2401

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.5149, 0.2315, 0.1466 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(149, 92, 243)` looks like.

```
.text, #text, p{  
    color:rgb(149, 92, 243)  
}
```

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(149, 92, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 92, 243) }
```

Border

The CSS property to change the border of an element to Yxy 20.5149, 0.2315, 0.1466 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(149, 92, 243) }
```

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

```
.border{ border-color:rgb(149, 92, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 92, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 92, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 92, 243);  
box-shadow:4px 4px 4px 4px rgb(149, 92,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 20.5149, 0.2315, 0.1466 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 92, 243) }
```

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

```
.background{ background-color: rgb(149, 92,  
243) }
```

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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