

Converting Colors

$Y_{xy}(20.2513, 0.2353, 0.1539)$

Have a look what the booklet for
Yxy(20.2513, 0.2353, 0.1539)
contains.

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Color

Yxy(20.3280, 0.2357, 0.1547)

Conversions

Conversions Part 1

Format	Color
Hex	935FEA
RGB	147, 95, 234
RGB Percent	58%, 37%, 92%
CMY	0.4235, 0.6274, 0.0825
CMYK	0.37, 0.59, 0.00, 0.08
HSL	262°, 77%, 65%
HSV	262°, 59%, 92%
XYZ	30.9716, 20.3280, 80.1031
YIQ	126.3940, -13.6270, 54.2530

Conversions

Conversions Part 2

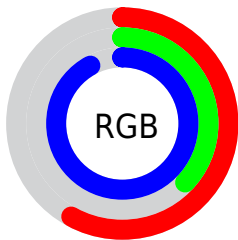
Format	Color
R_{YB}	147, 95, 234
Decimal	9658346
CIE _{Lab}	52.21, 50.08, -62.95
CIE _{LCh}	52, 80.440, 308.502
Yxy	20.3280, 0.2357, 0.1547
Android (android.graphics.Color)	4287848426 (0xFF935FEA)
YUV	126.3940, 53.0498, 18.0715
Hunter-Lab	45.0866, 43.7166, -73.7770

Details

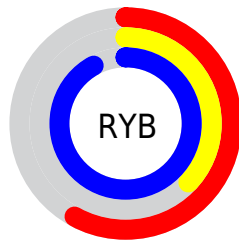
The Yxy color **20.3280, 0.2357, 0.1547** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **69.5911, 0.3576, 0.4903**, and the grayscale version is **20.8263, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.3789, 0.2760, 0.2122**, and **7.1749, 0.2080, 0.1149** is the 20% darker color. If you saturate the color by 10%, you get **15.4586, 0.2197, 0.1272**, and if you desaturate by 10%, it is **26.6364, 0.2516, 0.1851**.

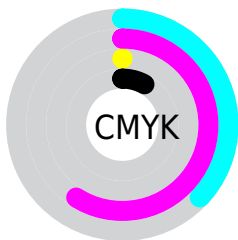
Distribution



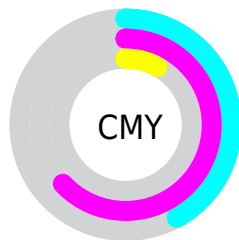
- Red (58%)
- Green (37%)
- Blue (92%)



- Red (58%)
- Yellow (37%)
- Blue (92%)



- Cyan (37%)
- Magenta (59%)
- Yellow (0%)
- Black (8%)





- Cyan (42%)
- Magenta (63%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.3280, 0.2357, 0.1547 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 20.3280, 0.2357, 0.1547 by changing the saturation by 10% instead.


 20.3280, 0.2357,
0.1547


 20.3280, 0.2357,
0.1547


253.6853, 0.2795,
0.2378


 12.6337, 0.2238,
0.1364


 43.9664, 0.2525,
0.1833


 7.1768, 0.2082,
0.1146


 60.6793, 0.2586,
0.1946

 3.5729, 0.1873,
0.0889


 81.1672, 0.2636,
0.2043

 1.4376, 0.1590,
0.0594

 105.8145, 0.2679,
0.2127

 0.2442, 0.1216,
0.0184

135.0055, 0.2715,
0.2202

 0.0000, 0.0606,
0.0000

169.1247, 0.2745,

 0.0000, 0.0000,

0.2267

0.0000

208.5565, 0.2772,
0.2326

■ 20.3280, 0.2357,
0.1547

■ 20.3280, 0.2357,
0.1547

■ 15.4586, 0.2197,
0.1272

■ 26.6364, 0.2516,
0.1851

■ 11.9024, 0.2046,
0.1043

■ 34.4904, 0.2667,
0.2167

■ 9.5143, 0.1910,
0.0874


■ 43.9889, 0.2806,
0.2479


■ 8.0654, 0.1796,
0.0765


■ 55.2216, 0.2931,
0.2776

■ 7.9907, 0.1790,
0.0760

■ 68.2715, 0.3039,
0.3053

 83.2164, 0.3132,
0.3305

 97.6895, 0.3215,
0.3496

 98.7182, 0.3250,
0.3493

Harmonies

Analogous

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



20.3280, 0.1487, 0.1389



20.3280, 0.2357, 0.1547



20.3280, 0.3749, 0.1997

Triad

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



20.3280, 0.2357, 0.1547



20.3280, 0.5461, 0.4313



20.3280, 0.1307, 0.3543

Complementary

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



20.3280, 0.2357, 0.1547



69.5911, 0.3576, 0.4903

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.



20.3280, 0.2126, 0.5400



20.3280, 0.2357, 0.1547



20.3280, 0.4477, 0.5331

Square

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



20.3280, 0.2357, 0.1547



20.3280, 0.5851, 0.3440



20.3280, 0.3286, 0.6053



20.3280, 0.0999, 0.2166

Rectangle

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



20.3280, 0.2357, 0.1547



20.3280, 0.4775, 0.2432



20.3280, 0.3286, 0.6053



20.3280, 0.1521, 0.4174

Sweetspot

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



20.3287, 0.2357, 0.1547



69.0832, 0.2946, 0.2814



42.2445, 0.2242, 0.2595



13.8661, 0.2911, 0.2729



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.



20.3287, 0.2357, 0.1547



17.8347, 0.2167, 0.1223



28.6382, 0.3007, 0.1829



14.8235, 0.3038, 0.3051



4.5580, 0.1806, 0.0768



0.4112, 0.1960, 0.0853

Inverse Universe

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



29.0489, 0.3780, 0.2364



29.7497, 0.3974, 0.2244



63.1963, 0.3130, 0.5156



15.2126, 0.3195, 0.3144



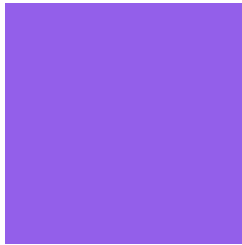
11.0290, 0.4433, 0.2216



0.8846, 0.4218, 0.2097

Previews

White Background



This preview shows how the Yxy color 20.3280, 0.2357, 0.1547 looks on a white background.

Color Contrast Check

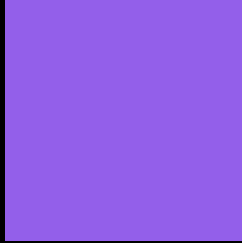
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.3280, 0.2357, 0.1547 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

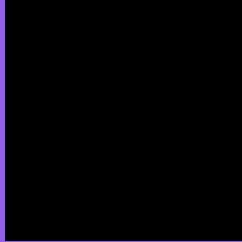
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.3280, 0.2357, 0.1547

Background



This preview shows how black text looks on a background with the Yxy color 20.3280, 0.2357, 0.1547.



This preview shows how white text looks on a background with the Yxy color 20.3280, 0.2357, 0.1547.

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

20.3280, 0.2357, 0.1547

Protanopia

20.6917, 0.1739, 0.1449

Deuteranopia

20.5606, 0.1830, 0.1788



Tritanopia

20.2193, 0.3040, 0.3109

Trichromacy



Original Color

20.3280, 0.2357, 0.1547



Protanomaly

18.9541, 0.1810, 0.1420



Deuteranomaly

18.6198, 0.1861, 0.1604



Tritanomaly

19.6991, 0.2746, 0.2369

Monochromacy



Original Color

20.3280, 0.2357, 0.1547



Achromatopsia

20.8637, 0.3127, 0.3290



Achromatomaly

20.0464, 0.2807, 0.2473

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.3280, 0.2357, 0.1547 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(147, 95, 234)` looks like.

```
.text, #text, p{  
    color:rgb(147, 95, 234)  
}
```

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(147, 95, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 95, 234) }
```

Border

The CSS property to change the border of an element to Yxy 20.3280, 0.2357, 0.1547 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(147, 95, 234) }
```

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

```
.border{ border-color:rgb(147, 95, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 95, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 95, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 95, 234);  
box-shadow:4px 4px 4px 4px rgb(147, 95,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 20.3280, 0.2357, 0.1547 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 95, 234) }
```

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

```
.background{ background-color: rgb(147, 95,  
234) }
```

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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