

Converting Colors

$Yxy(21.0728, 0.2468, 0.1663)$

Have a look what the booklet for
Yxy(21.0728, 0.2468, 0.1663)
contains.

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Color

Yxy(20.9987, 0.2467, 0.1659)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | 9962E2 |
| RGB | 153, 98, 226 |
| RGB Percent | 60%, 38%, 89% |
| CMY | 0.4001, 0.6156, 0.1138 |
| CMYK | 0.32, 0.57, 0.00, 0.11 |
| HSL | 266°, 69%, 64% |
| HSV | 266°, 57%, 89% |
| XYZ | 31.2259, 20.9987, 74.3498 |
| YIQ | 129.0370, -8.3080, 51.4680 |

Conversions

Conversions Part 2

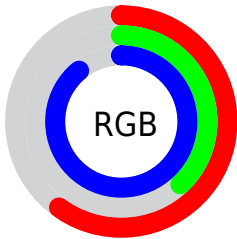
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 153, 98, 226 |
| Decimal | 10052322 |
| CIE Lab | 52.95, 47.82, -57.24 |
| CIE LCh | 53, 74.587, 309.874 |
| Yxy | 20.9987, 0.2467, 0.1659 |
| Android (android.graphics.Color) | 4288242402 (0xFF9962E2) |
| YUV | 129.0370, 47.8028, 21.0156 |
| Hunter-Lab | 45.8243, 41.4420, -64.1208 |

Details

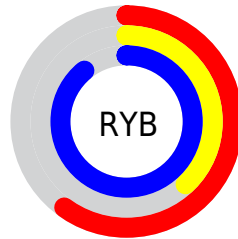
The Yxy color **20.9987, 0.2467, 0.1659** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **63.9312, 0.3511, 0.4858**, and the grayscale version is **21.7995, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.2021, 0.2811, 0.2169**, and **7.5576, 0.2222, 0.1268** is the 20% darker color. If you saturate the color by 10%, you get **16.1622, 0.2318, 0.1383**, and if you desaturate by 10%, it is **27.1659, 0.2612, 0.1959**.

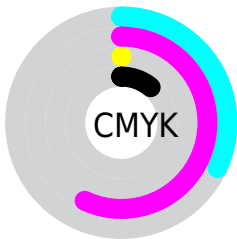
Distribution



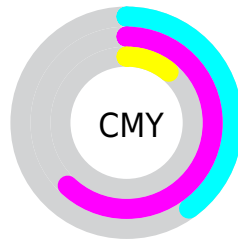
- Red (60%)
- Green (38%)
- Blue (89%)



- Red (60%)
- Yellow (38%)
- Blue (89%)



- Cyan (32%)
- Magenta (57%)
- Yellow (0%)
- Black (11%)




- Cyan (40%)
- Magenta (62%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.9987, 0.2467, 0.1659 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 20.9987, 0.2467, 0.1659 by changing the saturation by 10% instead.


 20.9987, 0.2467,
0.1659


 20.9987, 0.2467,
0.1659


257.2716, 0.2847,
0.2447


 13.1231, 0.2361,
0.1481


 45.0854, 0.2615,
0.1933


 7.5133, 0.2220,
0.1266


 62.0652, 0.2667,
0.2040

 3.7852, 0.2029,
0.1006


 82.8485, 0.2711,
0.2132

 1.5541, 0.1760,
0.0700

 107.8197, 0.2747,
0.2212

 0.3264, 0.1391,
0.0275

137.3633, 0.2778,
0.2282

 0.0000, 0.0753,
0.0000

171.8635, 0.2804,

 0.0000, 0.0000,

0.2343

0.0000

211.7048, 0.2827,
0.2398

■ 20.9987, 0.2467,
0.1659

■ 20.9987, 0.2467,
0.1659

■ 16.1622, 0.2318,
0.1383

■ 27.1659, 0.2612,
0.1959

■ 12.5465, 0.2172,
0.1147

■ 34.7569, 0.2747,
0.2267

■ 10.0269, 0.2037,
0.0964

■ 43.8589, 0.2870,
0.2570

■ 8.4451, 0.1918,
0.0843

■ 54.5513, 0.2978,
0.2858

■ 8.0337, 0.1881,
0.0810

■ 66.9078, 0.3072,
0.3125

■ 80.9973, 0.3153,
0.3370

■ 96.1071, 0.3222,
0.3578

■ 98.2703, 0.3298,
0.3572

Harmonies

Analogous

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



20.9987, 0.1612, 0.1494



20.9987, 0.2467, 0.1659



20.9987, 0.3775, 0.2105

Triad

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



20.9987, 0.2467, 0.1659



20.9987, 0.5312, 0.4359



20.9987, 0.1405, 0.3466

Complementary

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



20.9987, 0.2467, 0.1659



63.9312, 0.3511, 0.4858

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.



20.9987, 0.2177, 0.5130



20.9987, 0.2467, 0.1659



20.9987, 0.4399, 0.5281

Square

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



20.9987, 0.2467, 0.1659



20.9987, 0.5667, 0.3515



20.9987, 0.3278, 0.5837



20.9987, 0.1111, 0.2221

Rectangle

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



20.9987, 0.2467, 0.1659



20.9987, 0.4706, 0.2529



20.9987, 0.3278, 0.5837



20.9987, 0.1608, 0.4026

Sweetspot

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



20.9995, 0.2467, 0.1659



70.9988, 0.2973, 0.2844



37.8489, 0.2259, 0.2541



14.5555, 0.2953, 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.



20.9995, 0.2467, 0.1659



20.2678, 0.2291, 0.1336



28.7264, 0.3081, 0.1915



13.5296, 0.3047, 0.3052



4.6507, 0.1897, 0.0819



0.3744, 0.2071, 0.0914

Inverse Universe

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



27.8485, 0.3827, 0.2474



30.5520, 0.4050, 0.2356



58.4999, 0.3098, 0.5081



13.8310, 0.3203, 0.3157



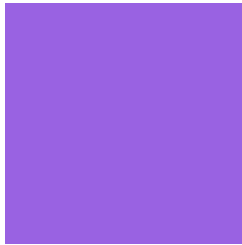
10.1521, 0.4655, 0.2338



0.7215, 0.4372, 0.2182

Previews

White Background



This preview shows how the Yxy color 20.9987, 0.2467, 0.1659 looks on a white background.

Color Contrast Check

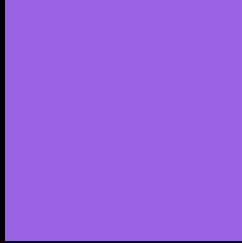
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.9987, 0.2467, 0.1659 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

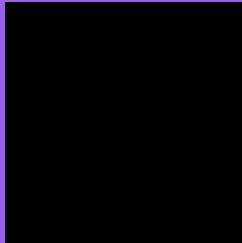
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.9987, 0.2467, 0.1659

Background



This preview shows how black text looks on a background with the Yxy color 20.9987, 0.2467, 0.1659.



This preview shows how white text looks on a background with the Yxy color 20.9987, 0.2467, 0.1659.

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

20.9987, 0.2467, 0.1659

Protanopia

21.3977, 0.1801, 0.1519

Deuteranopia

21.3095, 0.1930, 0.1870



Tritanopia

20.9828, 0.3171, 0.3133

Trichromacy



Original Color

20.9987, 0.2467, 0.1659



Protanomaly

20.0601, 0.1930, 0.1519



Deuteranomaly

20.0712, 0.2043, 0.1740



Tritanomaly

20.5386, 0.2886, 0.2464

Monochromacy



Original Color

20.9987, 0.2467, 0.1659



Achromatopsia

21.9526, 0.3127, 0.3290



Achromatomaly

21.0405, 0.2863, 0.2546

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.9987, 0.2467, 0.1659 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(153, 98, 226)` looks like.

```
.text, #text, p{  
    color:rgb(153, 98, 226)  
}
```

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(153, 98, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 98, 226) }
```

Border

The CSS property to change the border of an element to Yxy 20.9987, 0.2467, 0.1659 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(153, 98, 226) }
```

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

```
.border{ border-color:rgb(153, 98, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 98, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 98, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 98, 226);  
box-shadow:4px 4px 4px 4px rgb(153, 98,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 20.9987, 0.2467, 0.1659 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 98, 226) }
```

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

```
.background{ background-color: rgb(153, 98,  
226) }
```

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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