

Converting Colors

$Y_{xy}(10.5815, 0.3212, 0.1631)$

Have a look what the booklet for
Yxy(10.5815, 0.3212, 0.1631)
contains.

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Color

Yxy(10.5783, 0.3220, 0.1635)

Conversions

Conversions Part 1

Format	Color
Hex	9F1A9E
RGB	159, 26, 158
RGB Percent	62%, 10%, 62%
CMY	0.3766, 0.8977, 0.3804
CMYK	0.00, 0.84, 0.01, 0.38
HSL	300°, 72%, 36%
HSV	300°, 84%, 62%
XYZ	20.8331, 10.5783, 33.2877
YIQ	80.8150, 36.8960, 69.2480

Conversions

Conversions Part 2

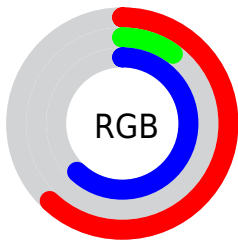
Format	Color
R_{YB}	159, 26, 158
Decimal	10427038
CIE _{Lab}	38.86, 65.00, -40.14
CIE _{LCh}	39, 76.396, 328.300
Yxy	10.5783, 0.3220, 0.1635
Android (android.graphics.Color)	4288617118 (0xFF9F1A9E)
YUV	80.8150, 38.0522, 68.5682
Hunter-Lab	32.5243, 57.4188, -37.9146

Details

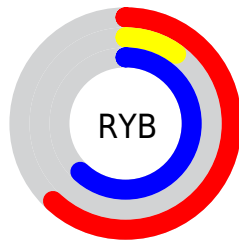
The Yxy color **10.5783, 0.3220, 0.1635** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **25.0846, 0.3007, 0.5793**, and the grayscale version is **8.1177, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.8681, 0.3233, 0.1962**, and **3.9242, 0.3142, 0.1505** is the 20% darker color. If you saturate the color by 10%, you get **10.0531, 0.3225, 0.1577**, and if you desaturate by 10%, it is **11.4952, 0.3213, 0.1734**.

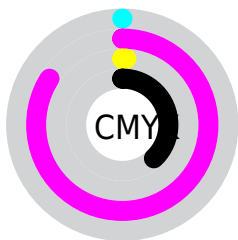
Distribution



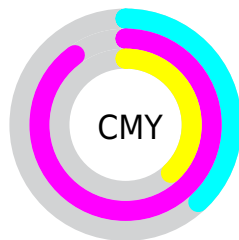
- Red (62%)
- Green (10%)
- Blue (62%)



- Red (62%)
- Yellow (10%)
- Blue (62%)



- Cyan (0%)
- Magenta (84%)
- Yellow (1%)
- Black (38%)




- Cyan (38%)
- Magenta (90%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.5783, 0.3220, 0.1635 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 10.5783, 0.3220, 0.1635 by changing the saturation by 10% instead.


 10.5783, 0.3220,
0.1635


 10.5783, 0.3220,
0.1635


194.7511, 0.3213,
0.2511


 5.7840, 0.3201,
0.1412


 26.8777, 0.3231,
0.1960


 2.7142, 0.3159,
0.1130


 39.1516, 0.3230,
0.2081


 0.9844, 0.3067,
0.0778

 54.6875, 0.3228,
0.2182


 0.0000, 0.2968,
0.0000

 73.8699, 0.3226,
0.2268

 0.0000, 0.2105,
0.0000

 97.0830, 0.3222,
0.2342

 0.0000, 0.0000,
0.0000

 124.7113, 0.3219,

0.2406

157.1392, 0.3216,
0.2462

■ 10.5783, 0.3220,
0.1635

■ 10.5783, 0.3220,
0.1635

■ 10.0531, 0.3225,
0.1577

■ 11.4952, 0.3213,
0.1734

■ 9.8291, 0.3227,
0.1552

■ 12.8588, 0.3205,
0.1874

■ 14.7169, 0.3194,
0.2050

■ 17.1108, 0.3182,
0.2257

■ 20.0774, 0.3170,
0.2484

■ 23.6506, 0.3157,
0.2723

■ 27.8613, 0.3144,
0.2966

■ 32.7386, 0.3132,
0.3206

■ 38.3096, 0.3120,
0.3437

Harmonies

Analogous

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



10.5783, 0.1842, 0.1264



10.5783, 0.3220, 0.1635



10.5783, 0.5036, 0.2289

Triad

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



10.5783, 0.3220, 0.1635



10.5783, 0.4945, 0.5055



10.5783, 0.0824, 0.2365

Complementary

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



10.5783, 0.3220, 0.1635



25.0846, 0.3007, 0.5793

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.



10.5783, 0.1279, 0.4334



10.5783, 0.3220, 0.1635



10.5783, 0.3660, 0.6340

Square

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



10.5783, 0.3220, 0.1635



10.5783, 0.6002, 0.3945



10.5783, 0.2308, 0.6369



10.5783, 0.0803, 0.1476

Rectangle

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



10.5783, 0.3220, 0.1635



10.5783, 0.5935, 0.2798



10.5783, 0.2308, 0.6369



10.5783, 0.0915, 0.2889

Sweetspot

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



10.5788, 0.3220, 0.1635



41.0788, 0.3159, 0.2677



3.4660, 0.1618, 0.0795



8.7715, 0.3164, 0.2598



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



10.5788, 0.3220, 0.1635



17.6102, 0.3228, 0.1552



8.8925, 0.4541, 0.2430



6.7538, 0.3139, 0.3071



7.7674, 0.3227, 0.1551



0.1391, 0.3219, 0.1547

Inverse Universe

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



10.5788, 0.3220, 0.1635



17.6102, 0.3228, 0.1552



25.7872, 0.2686, 0.4688



6.7538, 0.3139, 0.3071



7.7674, 0.3227, 0.1551



0.1391, 0.3219, 0.1547

Previews

White Background



This preview shows how the Yxy color 10.5783, 0.3220, 0.1635 looks on a white background.

Color Contrast Check

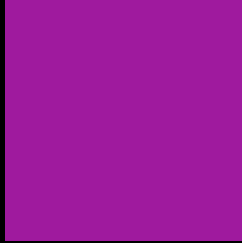
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 10.5783, 0.3220, 0.1635 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

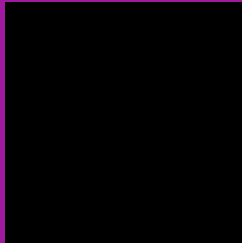
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.5783, 0.3220, 0.1635

Background



This preview shows how black text looks on a background with the Yxy color 10.5783, 0.3220, 0.1635.



This preview shows how white text looks on a background with the Yxy color 10.5783, 0.3220, 0.1635.

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

10.5783, 0.3220, 0.1635

Protanopia

11.0300, 0.1747, 0.1488

Deuteranopia

10.9593, 0.2149, 0.2103



Tritanopia

10.6124, 0.4659, 0.3213

Trichromacy



Original Color

10.5783, 0.3220, 0.1635



Protanomaly

8.1282, 0.1872, 0.1291



Deuteranomaly

9.0100, 0.2408, 0.1719



Tritanomaly

10.0993, 0.4133, 0.2496

Monochromacy



Original Color

10.5783, 0.3220, 0.1635



Achromatopsia

8.2283, 0.3127, 0.3290



Achromatomaly

7.6928, 0.3175, 0.2275

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.5783, 0.3220, 0.1635 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(159, 26, 158)` looks like.

```
.text, #text, p{  
    color:rgb(159, 26, 158)  
}
```

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(159, 26, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 26, 158) }
```

Border

The CSS property to change the border of an element to Yxy 10.5783, 0.3220, 0.1635 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(159, 26, 158) }
```

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

```
.border{ border-color:rgb(159, 26, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 26, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(159, 26, 158); -webkit-box-shadow:4px 4px 4px 4px rgb(159, 26, 158); box-shadow:4px 4px 4px 4px rgb(159, 26, 158) }
```


Background

The CSS property to change the background color of an element to Yxy 10.5783, 0.3220, 0.1635 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 26, 158) }
```

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

```
.background{ background-color: rgb(159, 26,  
158) }
```

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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