

Converting Colors

$Y_{xy}(12.0655, 0.3154, 0.1766)$

Have a look what the booklet for
Yxy(12.0655, 0.3154, 0.1766)
contains.

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Color

Yxy(12.1235, 0.3154, 0.1764)

Conversions

Conversions Part 1

Format	Color
Hex	9E32A1
RGB	158, 50, 161
RGB Percent	62%, 20%, 63%
CMY	0.3804, 0.8040, 0.3685
CMYK	0.02, 0.69, 0.00, 0.37
HSL	298°, 53%, 41%
HSV	298°, 69%, 63%
XYZ	21.6766, 12.1235, 34.9272
YIQ	94.9460, 28.7370, 57.4170

Conversions

Conversions Part 2

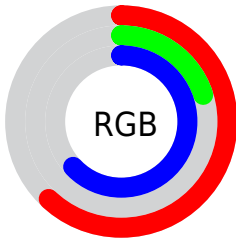
Format	Color
RYB	158, 50, 161
Decimal	10367649
CIELab	41.41, 58.02, -37.92
CIELCh	41, 69.314, 326.830
Yxy	12.1235, 0.3154, 0.1764
Android (android.graphics.Color)	4288557729 (0xFF9E32A1)
YUV	94.9460, 32.5646, 55.2984
Hunter-Lab	34.8188, 50.1930, -35.1014

Details

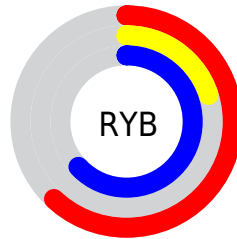
The Yxy color **12.1235, 0.3154, 0.1764** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **26.4858, 0.3042, 0.5447**, and the grayscale version is **11.3450, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.7130, 0.3174, 0.2069**, and **3.9877, 0.3078, 0.1469** is the 20% darker color. If you saturate the color by 10%, you get **10.9370, 0.3152, 0.1640**, and if you desaturate by 10%, it is **13.7954, 0.3154, 0.1927**.

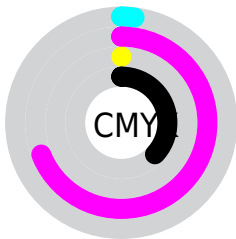
Distribution



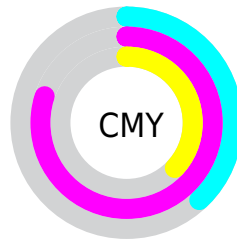
- Red (62%)
- Green (20%)
- Blue (63%)



- Red (62%)
- Yellow (20%)
- Blue (63%)



- Cyan (2%)
- Magenta (69%)
- Yellow (0%)
- Black (37%)





- Cyan (38%)
- Magenta (80%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.1235, 0.3154, 0.1764 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 12.1235, 0.3154, 0.1764 by changing the saturation by 10% instead.


 12.1235, 0.3154,
0.1764


 12.1235, 0.3154,
0.1764


205.2212, 0.3177,
0.2572


 6.8278, 0.3130,
0.1556


 29.7198, 0.3175,
0.2065


 3.3547, 0.3084,
0.1290


 42.7893, 0.3178,
0.2176


 1.3196, 0.2993,
0.0950

 59.2188, 0.3180,
0.2269


 0.1563, 0.2882,
0.0251

 79.3928, 0.3181,
0.2348

 0.0000, 0.2242,
0.0000

 103.6956, 0.3180,
0.2416

 0.0000, 0.0000,
0.0000

 132.5117, 0.3180,

0.2475

166.2254, 0.3179,
0.2527

■ 12.1235, 0.3154,
0.1764

■ 12.1235, 0.3154,
0.1764

■ 10.9370, 0.3152,
0.1640

■ 13.7954, 0.3154,
0.1927

■ 10.1809, 0.3148,
0.1557

■ 15.9968, 0.3153,
0.2124

■ 9.7478, 0.3143,
0.1509

■ 18.7687, 0.3150,
0.2347

■ 9.7067, 0.3142,
0.1505

■ 22.1475, 0.3145,
0.2585

■ 26.1668, 0.3139,
0.2831

■ 30.8576, 0.3133,
0.3076

■ 36.2488, 0.3126,
0.3314

■ 42.3678, 0.3120,
0.3542

■ 49.2405, 0.3113,
0.3755

Harmonies

Analogous

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



12.1235, 0.1933, 0.1423



12.1235, 0.3154, 0.1764



12.1235, 0.4729, 0.2374

Triad

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



12.1235, 0.3154, 0.1764



12.1235, 0.4957, 0.4980



12.1235, 0.1033, 0.2575

Complementary

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



12.1235, 0.3154, 0.1764



26.4858, 0.3042, 0.5447

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.



12.1235, 0.1530, 0.4306



12.1235, 0.3154, 0.1764



12.1235, 0.3752, 0.5922

Square

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



12.1235, 0.3154, 0.1764



12.1235, 0.5751, 0.3945



12.1235, 0.2535, 0.5945



12.1235, 0.0974, 0.1689

Rectangle

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



12.1235, 0.3154, 0.1764



12.1235, 0.5554, 0.2865



12.1235, 0.2535, 0.5945



12.1235, 0.1141, 0.3061

Sweetspot

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



12.1240, 0.3154, 0.1764



44.9832, 0.3141, 0.2771



5.8615, 0.1837, 0.1189



9.4517, 0.3142, 0.2707



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.



12.1240, 0.3154, 0.1764



18.7342, 0.3150, 0.1589



10.9686, 0.4114, 0.2424



7.1923, 0.3133, 0.3068



7.7528, 0.3143, 0.1505



0.1657, 0.3168, 0.1519

Inverse Universe

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



10.1171, 0.5308, 0.3258



14.9594, 0.5971, 0.3269



27.1318, 0.2721, 0.4487



7.0889, 0.3281, 0.3284



6.0602, 0.6362, 0.3279



0.1282, 0.6185, 0.3181

Previews

White Background



This preview shows how the Yxy color 12.1235, 0.3154, 0.1764 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 12.1235, 0.3154, 0.1764 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

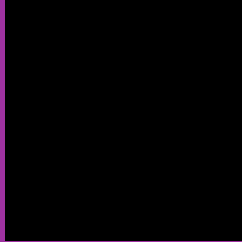
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.1235, 0.3154, 0.1764

Background



This preview shows how black text looks on a background with the Yxy color 12.1235, 0.3154, 0.1764.



This preview shows how white text looks on a background with the Yxy color 12.1235, 0.3154, 0.1764.

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

12.1235, 0.3154, 0.1764

Protanopia

12.4487, 0.1742, 0.1470

Deuteranopia

12.3374, 0.2225, 0.2171



Tritanopia

12.1676, 0.4328, 0.3191

Trichromacy



Original Color

12.1235, 0.3154, 0.1764



Protanomaly

10.0497, 0.1875, 0.1401



Deuteranomaly

11.1099, 0.2471, 0.1903



Tritanomaly

11.8374, 0.3871, 0.2571

Monochromacy



Original Color

12.1235, 0.3154, 0.1764



Achromatopsia

11.4435, 0.3127, 0.3290



Achromatomaly

10.7754, 0.3148, 0.2495

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.1235, 0.3154, 0.1764 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(158, 50, 161)` looks like.

```
.text, #text, p{  
    color:rgb(158, 50, 161)  
}
```

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(158, 50, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 50, 161) }
```

Border

The CSS property to change the border of an element to Yxy 12.1235, 0.3154, 0.1764 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(158, 50, 161) }
```

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

```
.border{ border-color:rgb(158, 50, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 50, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 50, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 50, 161);  
box-shadow:4px 4px 4px 4px rgb(158, 50,  
161) }
```


Background

The CSS property to change the background color of an element to Yxy 12.1235, 0.3154, 0.1764 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 50, 161) }
```

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

```
.background{ background-color: rgb(158, 50,  
161) }
```

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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