

Converting Colors

$Y_{xy}(10.4339, 0.3176, 0.1950)$

Have a look what the booklet for
Yxy(10.4339, 0.3176, 0.1950)
contains.

Yxy(10.4950, 0.3189, 0.1962)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(10.4950, 0.3189, 0.1962)

Conversions

Conversions Part 1

Format	Color
Hex	8C3A8C
RGB	140, 58, 140
RGB Percent	55%, 23%, 55%
CMY	0.4511, 0.7724, 0.4510
CMYK	0.00, 0.59, 0.00, 0.45
HSL	300°, 41%, 39%
HSV	300°, 59%, 55%
XYZ	17.0584, 10.4950, 25.9379
YIQ	91.8660, 22.5500, 42.8860

Conversions

Conversions Part 2

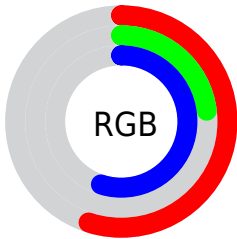
Format	Color
R_{YB}	140, 58, 140
Decimal	9190028
CIE _{Lab}	38.72, 46.19, -29.64
CIE _{LCh}	39, 54.881, 327.309
Yxy	10.4950, 0.3189, 0.1962
Android (android.graphics.Color)	4287380108 (0xFF8C3A8C)
YUV	91.8660, 23.7301, 42.2135
Hunter-Lab	32.3960, 37.2977, -24.7935

Details

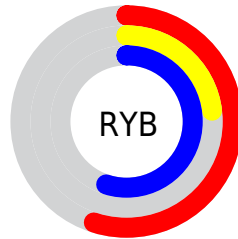
The Yxy color **10.4950, 0.3189, 0.1962** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **19.9635, 0.3042, 0.5107**, and the grayscale version is **10.6125, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.7827, 0.3198, 0.2249**, and **2.7475, 0.3157, 0.1513** is the 20% darker color. If you saturate the color by 10%, you get **9.2696, 0.3196, 0.1802**, and if you desaturate by 10%, it is **12.1053, 0.3180, 0.2155**.

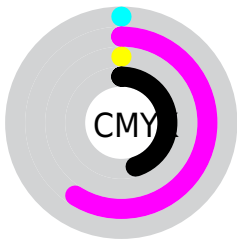
Distribution



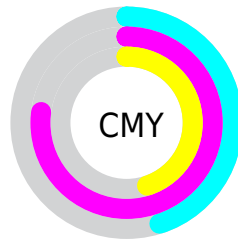
- Red (55%)
- Green (23%)
- Blue (55%)



- Red (55%)
- Yellow (23%)
- Blue (55%)



- Cyan (0%)
- Magenta (59%)
- Yellow (0%)
- Black (45%)




- Cyan (45%)
- Magenta (77%)
- Yellow (45%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 10.4950, 0.3189, 0.1962 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 10.4950, 0.3189, 0.1962 by changing the saturation by 10% instead.


 10.4950, 0.3189,
0.1962


 10.4950, 0.3189,
0.1962


 194.1694, 0.3181,
0.2701


 5.7284, 0.3176,
0.1754


 26.7225, 0.3195,
0.2248


 2.6806, 0.3147,
0.1477

 38.9521, 0.3194,
0.2351


 0.9674, 0.3074,
0.1098

 54.4382, 0.3192,
0.2435

 0.0000, 0.3065,
0.0000

 73.5652, 0.3190,
0.2506

 0.0000, 0.0000,
0.0000

 96.7174, 0.3188,
0.2565

 124.2792, 0.3185,

0.2617

156.6351, 0.3183,
0.2662

■ 10.4950, 0.3189,
0.1962

■ 10.4950, 0.3189,
0.1962

■ 9.2696, 0.3196,
0.1802

■ 12.1053, 0.3180,
0.2155

■ 8.3956, 0.3202,
0.1679

■ 14.1275, 0.3170,
0.2372

■ 7.8367, 0.3206,
0.1597

■ 16.5876, 0.3159,
0.2606

■ 7.5089, 0.3208,
0.1548

■ 19.5093, 0.3148,
0.2847

■ 7.4648, 0.3208,
0.1541

■ 22.9145, 0.3137,
0.3088

■ 26.8236, 0.3126,
0.3323

■ 31.2561, 0.3115,
0.3548

■ 36.2303, 0.3105,
0.3759

■ 41.7634, 0.3096,
0.3954

Harmonies

Analogous

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



10.4950, 0.2116, 0.1642



10.4950, 0.3189, 0.1962



10.4950, 0.4493, 0.2525

Triad

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



10.4950, 0.3189, 0.1962



10.4950, 0.4763, 0.4851



10.4950, 0.1286, 0.2711

Complementary

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



10.4950, 0.3189, 0.1962



19.9635, 0.3042, 0.5107

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.



10.4950, 0.1767, 0.4112



10.4950, 0.3189, 0.1962



10.4950, 0.3763, 0.5555

Square

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



10.4950, 0.3189, 0.1962



10.4950, 0.5422, 0.3999



10.4950, 0.2678, 0.5419



10.4950, 0.1214, 0.1911

Rectangle

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



10.4950, 0.3189, 0.1962



10.4950, 0.5178, 0.2984



10.4950, 0.2678, 0.5419



10.4950, 0.1396, 0.3120

Sweetspot

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



10.4955, 0.3189, 0.1962



34.4914, 0.3148, 0.2852



5.9625, 0.2038, 0.1507



7.6176, 0.3151, 0.2788



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



10.4955, 0.3189, 0.1962



15.8304, 0.3198, 0.1762



9.5320, 0.3917, 0.2549



5.1289, 0.3137, 0.3074



6.6327, 0.3208, 0.1541



0.0441, 0.3209, 0.1541

Inverse Universe

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



8.9106, 0.4842, 0.3295



12.7673, 0.5442, 0.3296



20.5321, 0.2741, 0.4227



5.0486, 0.3280, 0.3290



4.9541, 0.6400, 0.3299



0.0329, 0.6398, 0.3298

Previews

White Background



This preview shows how the Yxy color 10.4950, 0.3189, 0.1962 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 10.4950, 0.3189, 0.1962 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

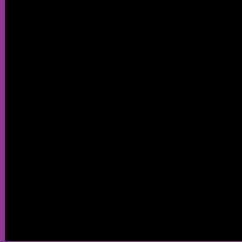
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.4950, 0.3189, 0.1962

Background



This preview shows how black text looks on a background with the Yxy color 10.4950, 0.3189, 0.1962.



This preview shows how white text looks on a background with the Yxy color 10.4950, 0.3189, 0.1962.

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

10.4950, 0.3189, 0.1962

Protanopia

10.7020, 0.1969, 0.1748

Deuteranopia

10.6592, 0.2385, 0.2339



Tritanopia

10.5979, 0.4114, 0.3197

Trichromacy



Original Color

10.4950, 0.3189, 0.1962

Protanomaly

9.8022, 0.2244, 0.1753

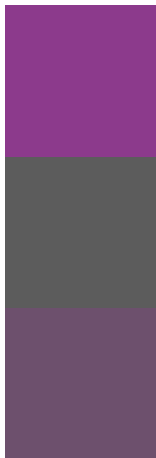
Deuteranomaly

9.9662, 0.2623, 0.2129

Tritanomaly

10.4498, 0.3770, 0.2683

Monochromacy



Original Color

10.4950, 0.3189, 0.1962

Achromatopsia

10.7023, 0.3127, 0.3290

Achromatomaly

10.0927, 0.3156, 0.2669

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.4950, 0.3189, 0.1962 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(140, 58, 140)` looks like.

```
.text, #text, p{  
  color:rgb(140, 58, 140)  
}
```

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(140, 58, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 58, 140) }
```

Border

The CSS property to change the border of an element to Yxy 10.4950, 0.3189, 0.1962 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(140, 58, 140) }
```

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

```
.border{ border-color:rgb(140, 58, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 58, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 58, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 58, 140);  
box-shadow:4px 4px 4px 4px rgb(140, 58,  
140) }
```


Background

The CSS property to change the background color of an element to Yxy 10.4950, 0.3189, 0.1962 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 58, 140) }
```

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

```
.background{ background-color: rgb(140, 58,  
140) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor