

Converting Colors

$Y_{xy}(10.4158, 0.2208, 0.1540)$

Have a look what the booklet for
Yxy(10.4158, 0.2208, 0.1540)
contains.

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Color

Yxy(10.4118, 0.2204, 0.1540)

Conversions

Conversions Part 1

Format	Color
Hex	5E4AB0
RGB	94, 74, 176
RGB Percent	37%, 29%, 69%
CMY	0.6314, 0.7098, 0.3098
CMYK	0.47, 0.58, 0.00, 0.31
HSL	252°, 41%, 49%
HSV	252°, 58%, 69%
XYZ	14.9010, 10.4118, 42.2962
YIQ	91.6080, -20.8220, 35.9620

Conversions

Conversions Part 2

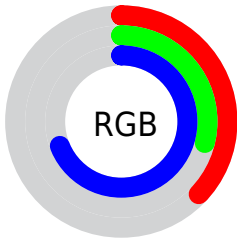
Format	Color
R_{YB}	94, 74, 176
Decimal	6179504
CIE _{Lab}	38.57, 34.38, -51.84
CIE _{LCh}	39, 62.207, 303.554
Yxy	10.4118, 0.2204, 0.1540
Android (android.graphics.Color)	4284369584 (0xFF5E4AB0)
YUV	91.6080, 41.6053, 2.0978
Hunter-Lab	32.2673, 25.9635, -55.1307

Details

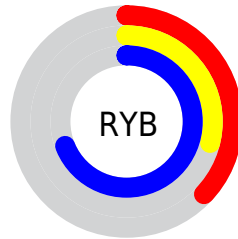
The Yxy color **10.4118, 0.2204, 0.1540** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **38.6107, 0.3743, 0.4743**, and the grayscale version is **10.5148, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.4761, 0.2439, 0.1886**, and **2.6839, 0.1794, 0.1015** is the 20% darker color. If you saturate the color by 10%, you get **7.7011, 0.2021, 0.1239**, and if you desaturate by 10%, it is **13.9175, 0.2391, 0.1866**.

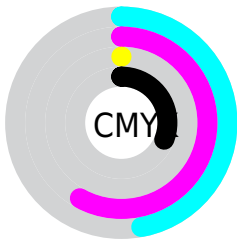
Distribution



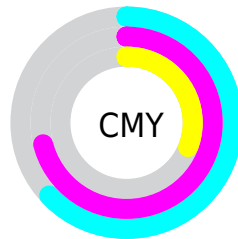
- Red (37%)
- Green (29%)
- Blue (69%)



- Red (37%)
- Yellow (29%)
- Blue (69%)



- Cyan (47%)
- Magenta (58%)
- Yellow (0%)
- Black (31%)



- Cyan (63%)
- Magenta (71%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 10.4118, 0.2204, 0.1540 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 10.4118, 0.2204, 0.1540 by changing the saturation by 10% instead.

■ 10.4118, 0.2204,
0.1540

■ 10.4118, 0.2204,
0.1540

■ 193.5864, 0.2767,
0.2478

■ 5.6728, 0.2031,
0.1304

■ 26.5672, 0.2434,
0.1888

■ 2.6472, 0.1792,
0.1011

■ 38.7525, 0.2512,
0.2017

■ 0.9504, 0.1455,
0.0659

■ 54.1886, 0.2576,
0.2126

■ 0.0000, 0.1000,
0.0000

■ 73.2600, 0.2628,
0.2218

■ 0.0000, 0.0000,
0.0000

■ 96.3511, 0.2672,
0.2297

123.8463, 0.2708,

0.2365

156.1299, 0.2740,
0.2425

■ 10.4118, 0.2204,
0.1540

■ 10.4118, 0.2204,
0.1540

■ 7.7011, 0.2021,
0.1239

■ 13.9175, 0.2391,
0.1866

■ 5.7207, 0.1855,
0.0984

■ 18.2742, 0.2573,
0.2198

■ 4.3967, 0.1718,
0.0795

■ 23.5336, 0.2743,
0.2519

■ 3.6136, 0.1615,
0.0674

■ 29.7431, 0.2896,
0.2819

■ 3.4833, 0.1597,
0.0654

■ 36.9469, 0.3032,
0.3093

■ 45.1862, 0.3150,
0.3338

■ 54.5001, 0.3251,
0.3555

■ 64.9252, 0.3338,
0.3745

■ 76.4970, 0.3412,
0.3912

Harmonies

Analogous

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



10.4118, 0.1430, 0.1433



10.4118, 0.2204, 0.1540



10.4118, 0.3485, 0.1938

Triad

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



10.4118, 0.2204, 0.1540



10.4118, 0.5531, 0.4167



10.4118, 0.1454, 0.3835

Complementary

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



10.4118, 0.2204, 0.1540



38.6107, 0.3743, 0.4743

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.



10.4118, 0.2341, 0.5540



10.4118, 0.2204, 0.1540



10.4118, 0.4676, 0.5170

Square

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



10.4118, 0.2204, 0.1540



10.4118, 0.5747, 0.3327



10.4118, 0.3500, 0.5916



10.4118, 0.1067, 0.2368

Rectangle

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



10.4118, 0.2204, 0.1540



10.4118, 0.4489, 0.2345



10.4118, 0.3500, 0.5916



10.4118, 0.1696, 0.4455

Sweetspot

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



10.4121, 0.2204, 0.1540



54.7468, 0.2906, 0.2838



28.8049, 0.2347, 0.2969



11.3549, 0.2878, 0.2782



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



10.4121, 0.2204, 0.1540



12.6526, 0.1965, 0.1149



13.9343, 0.2776, 0.1780



8.3077, 0.3014, 0.3057



2.5760, 0.1605, 0.0658



0.1046, 0.1868, 0.0803

Inverse Universe

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



16.5275, 0.3461, 0.2171



25.0551, 0.3562, 0.1993



34.6261, 0.3280, 0.4994



8.6176, 0.3166, 0.3109



8.2022, 0.3768, 0.1849



0.2654, 0.3586, 0.1749

Previews

White Background



This preview shows how the Yxy color 10.4118, 0.2204, 0.1540 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 10.4118, 0.2204, 0.1540 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

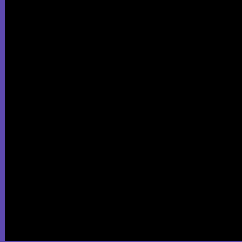
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.4118, 0.2204, 0.1540

Background



This preview shows how black text looks on a background with the Yxy color 10.4118, 0.2204, 0.1540.



This preview shows how white text looks on a background with the Yxy color 10.4118, 0.2204, 0.1540.

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

10.4118, 0.2204, 0.1540

Protanopia

10.3616, 0.1742, 0.1471

Deuteranopia

10.4373, 0.1846, 0.1847



Tritanopia

10.4206, 0.2734, 0.3088

Trichromacy



Original Color

10.4118, 0.2204, 0.1540

Protanomaly

9.7521, 0.1799, 0.1447

Deuteranomaly

9.7857, 0.1870, 0.1669

Tritanomaly

10.1507, 0.2499, 0.2356

Monochromacy



Original Color

10.4118, 0.2204, 0.1540

Achromatopsia

10.7023, 0.3127, 0.3290

Achromatomaly

10.2542, 0.2718, 0.2458

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.4118, 0.2204, 0.1540 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(94, 74, 176)` looks like.

```
.text, #text, p{  
    color:rgb(94, 74, 176)  
}
```

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(94, 74, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 74, 176) }
```

Border

The CSS property to change the border of an element to Yxy 10.4118, 0.2204, 0.1540 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(94, 74, 176) }
```

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

```
.border{ border-color:rgb(94, 74, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 74, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 74, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 74, 176);  
box-shadow:4px 4px 4px 4px rgb(94, 74,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 10.4118, 0.2204, 0.1540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 74, 176) }
```

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

```
.background{ background-color: rgb(94, 74,  
176) }
```

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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