

Converting Colors

$Y_{xy}(10.9409, 0.1932, 0.1314)$

Have a look what the booklet for
Yxy(10.9409, 0.1932, 0.1314)
contains.

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Color

Yxy(10.9224, 0.1928, 0.1307)

Conversions

Conversions Part 1

Format	Color
Hex	4C4CC9
RGB	76, 76, 201
RGB Percent	30%, 30%, 79%
CMY	0.7018, 0.7020, 0.2117
CMYK	0.62, 0.62, 0.00, 0.21
HSL	240°, 54%, 54%
HSV	240°, 62%, 79%
XYZ	16.1120, 10.9224, 56.5341
YIQ	90.2500, -40.1250, 38.8750

Conversions

Conversions Part 2

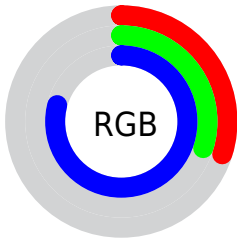
Format	Color
R_{YB}	76, 76, 201
Decimal	5000393
CIE _{Lab}	39.45, 37.71, -65.15
CIE _{LCh}	39, 75.275, 300.067
Yxy	10.9224, 0.1928, 0.1307
Android (android.graphics.Color)	4283190473 (0xFF4C4CC9)
YUV	90.2500, 54.5998, -12.4972
Hunter-Lab	33.0491, 29.1861, -78.2878

Details

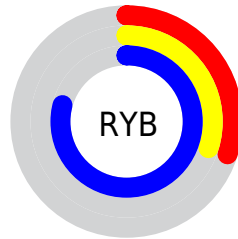
The Yxy color **10.9224, 0.1928, 0.1307** is a dark color, and the websafe version is hex **333399**. The color can be described as dark muted blue. A complement of this color would be **54.7209, 0.3991, 0.4719**, and the grayscale version is **10.1661, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.2056, 0.2219, 0.1691**, and **3.0553, 0.1568, 0.0844** is the 20% darker color. If you saturate the color by 10%, you get **7.8741, 0.1752, 0.1016**, and if you desaturate by 10%, it is **15.0933, 0.2132, 0.1644**.

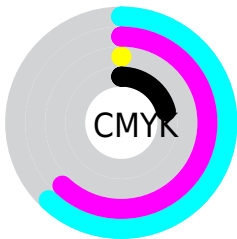
Distribution



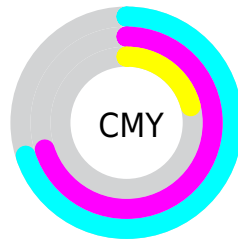
- Red (30%)
- Green (30%)
- Blue (79%)



- Red (30%)
- Yellow (30%)
- Blue (79%)



- Cyan (62%)
- Magenta (62%)
- Yellow (0%)
- Black (21%)



- Cyan (70%)
- Magenta (70%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 10.9224, 0.1928, 0.1307 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 10.9224, 0.1928, 0.1307 by changing the saturation by 10% instead.

■ 10.9224, 0.1928,
0.1307

■ 10.9224, 0.1928,
0.1307

■ 197.1344, 0.2628,
0.2320

■ 6.0147, 0.1733,
0.1075

■ 27.5166, 0.2201,
0.1666

■ 2.8540, 0.1481,
0.0804

■ 39.9718, 0.2299,
0.1805

■ 1.0560, 0.1153,
0.0500

■ 55.7117, 0.2379,
0.1924

■ 0.0000, 0.0758,
0.0000

■ 75.1206, 0.2446,
0.2026

■ 0.0000, 0.0000,
0.0000

■ 98.5829, 0.2502,
0.2114

126.4831, 0.2550,

0.2192

159.2054, 0.2592,
0.2260

■ 10.9224, 0.1928,
0.1307

■ 10.9224, 0.1928,
0.1307

■ 7.8741, 0.1752,
0.1016

■ 15.0933, 0.2132,
0.1644

■ 5.8390, 0.1618,
0.0794

■ 20.4806, 0.2346,
0.1998

■ 4.6873, 0.1535,
0.0658

■ 27.1692, 0.2557,
0.2348

■ 4.2189, 0.1500,
0.0600

■ 35.2361, 0.2756,
0.2676

■ 44.7525, 0.2936,
0.2973

■ 55.7845, 0.3095,
0.3237

■ 68.3942, 0.3234,
0.3466

■ 82.6403, 0.3354,
0.3665

■ 96.9983, 0.3448,
0.3820

Harmonies

Analogous

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



10.9224, 0.1165, 0.1224



10.9224, 0.1928, 0.1307



10.9224, 0.3321, 0.1694

Triad

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



10.9224, 0.1928, 0.1307



10.9224, 0.5913, 0.4015



10.9224, 0.1275, 0.4171

Complementary

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



10.9224, 0.1928, 0.1307



54.7209, 0.3991, 0.4719

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.



10.9224, 0.2270, 0.6215



10.9224, 0.1928, 0.1307



10.9224, 0.4870, 0.5130

Square

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



10.9224, 0.1928, 0.1307



10.9224, 0.6120, 0.3125



10.9224, 0.3580, 0.6304



10.9224, 0.0847, 0.2316

Rectangle

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



10.9224, 0.1928, 0.1307



10.9224, 0.4517, 0.2113



10.9224, 0.3580, 0.6304



10.9224, 0.1548, 0.4964

Sweetspot

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



10.9227, 0.1928, 0.1307



64.8318, 0.2811, 0.2766



47.5402, 0.2380, 0.3288



12.9207, 0.2756, 0.2677



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.



10.9227, 0.1928, 0.1307



11.9433, 0.1695, 0.0921



14.8310, 0.2483, 0.1554



10.2877, 0.2983, 0.3051



2.6520, 0.1500, 0.0600



0.1257, 0.1501, 0.0600

Inverse Universe

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



21.8031, 0.3194, 0.1871



32.1129, 0.3203, 0.1684



47.7540, 0.3454, 0.5035



10.8166, 0.3138, 0.3062



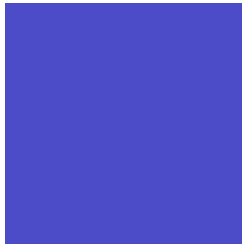
10.4564, 0.3210, 0.1542



0.4951, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 10.9224, 0.1928, 0.1307 looks on a white background.

Color Contrast Check

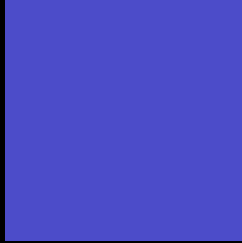
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.9224, 0.1928, 0.1307 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

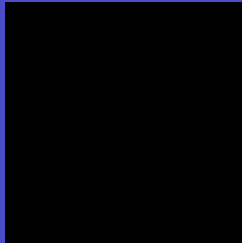
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.9224, 0.1928, 0.1307

Background



This preview shows how black text looks on a background with the Yxy color 10.9224, 0.1928, 0.1307.



This preview shows how white text looks on a background with the Yxy color 10.9224, 0.1928, 0.1307.

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

10.9224, 0.1928, 0.1307

Protanopia

10.8189, 0.1744, 0.1479

Deuteranopia

10.8288, 0.1855, 0.1876



Tritanopia

10.8481, 0.2266, 0.3076

Trichromacy



Original Color

10.9224, 0.1928, 0.1307

Protanomaly

10.4378, 0.1759, 0.1383

Deuteranomaly

10.4006, 0.1824, 0.1593

Tritanomaly

10.3473, 0.2077, 0.2168

Monochromacy



Original Color

10.9224, 0.1928, 0.1307

Achromatopsia

10.2242, 0.3127, 0.3290

Achromatomaly

10.0400, 0.2532, 0.2306

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.9224, 0.1928, 0.1307 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(76, 76, 201)` looks like.

```
.text, #text, p{  
    color:rgb(76, 76, 201)  
}
```

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(76, 76, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 76, 201) }
```

Border

The CSS property to change the border of an element to Yxy 10.9224, 0.1928, 0.1307 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(76, 76, 201) }
```

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

```
.border{ border-color:rgb(76, 76, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 76, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 76, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 76, 201);  
box-shadow:4px 4px 4px 4px rgb(76, 76,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 10.9224, 0.1928, 0.1307 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 76, 201) }
```

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

```
.background{ background-color: rgb(76, 76,  
201) }
```

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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