

Converting Colors

$Y_{xy}(10.4144, 0.1739, 0.0958)$

Have a look what the booklet for
Yxy(10.4144, 0.1739, 0.0958)
contains.

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Color

Yxy(10.4232, 0.1737, 0.0957)

Conversions

Conversions Part 1

Format	Color
Hex	433CEB
RGB	67, 60, 235
RGB Percent	26%, 24%, 92%
CMY	0.7373, 0.7646, 0.0786
CMYK	0.71, 0.74, 0.00, 0.08
HSL	242°, 81%, 58%
HSV	242°, 74%, 92%
XYZ	18.9186, 10.4232, 79.5736
YIQ	82.0430, -52.0030, 55.9090

Conversions

Conversions Part 2

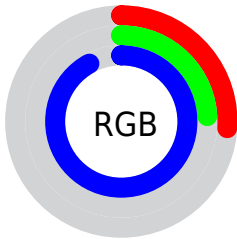
Format	Color
R _Y B	67, 60, 235
Decimal	4406507
CIE Lab	38.59, 56.63, -86.03
CIE LCh	39, 102.991, 303.355
Yxy	10.4232, 0.1737, 0.0957
Android (android.graphics.Color)	4282596587 (0xFF433CEB)
YUV	82.0430, 75.4078, -13.1927
Hunter-Lab	32.2850, 48.1001, -123.5340

Details

The Yxy color **10.4232, 0.1737, 0.0957** is a dark color, and the websafe version is hex **3333CC**. The color can be described as dark washed blue. A complement of this color would be **76.2092, 0.4048, 0.4935**, and the grayscale version is **8.3033, 0.3127, 0.3290**.

A 20% lighter version of the original color is **23.7751, 0.2196, 0.1531**, and **3.4314, 0.1510, 0.0636** is the 20% darker color. If you saturate the color by 10%, you get **7.8348, 0.1609, 0.0755**, and if you desaturate by 10%, it is **14.4142, 0.1908, 0.1233**.

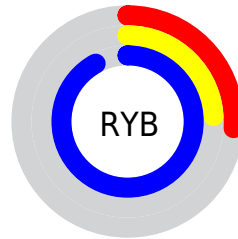
Distribution



Red (26%)

Green (24%)

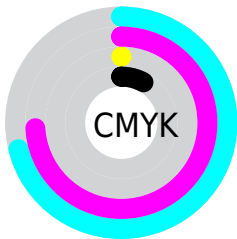
Blue (92%)



Red (26%)

Yellow (24%)

Blue (92%)

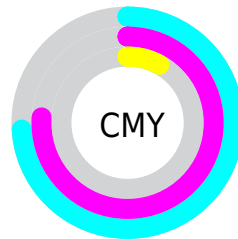


Cyan (71%)

Magenta (74%)

Yellow (0%)

Black (8%)



Cyan (74%)


Magenta (76%)


Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.4232, 0.1737, 0.0957 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 10.4232, 0.1737, 0.0957 by changing the saturation by 10% instead.


 10.4232, 0.1737,
0.0957


 10.4232, 0.1737,
0.0957

193.6664, 0.2526,
0.2048


 5.6804, 0.1537,
0.0745


 26.5885, 0.2033,
0.1314


 2.6518, 0.1290,
0.0517


 38.7799, 0.2142,
0.1462


 0.9528, 0.0989,
0.0288

 54.2229, 0.2234,
0.1591

 0.0000, 0.0649,
0.0000

 73.3019, 0.2311,
0.1705

 0.0000, 0.0159,
0.0000

 96.4014, 0.2377,
0.1806

 0.0000, 0.0000,
0.0000

 123.9057, 0.2434,

0.1896

156.1992, 0.2483,
0.1976

■ 10.4232, 0.1737,
0.0957

■ 10.4232, 0.1737,
0.0957

■ 7.8348, 0.1609,
0.0755

■ 14.4142, 0.1908,
0.1233

■ 6.4532, 0.1532,
0.0640

■ 19.9677, 0.2107,
0.1561

■ 6.0554, 0.1509,
0.0605

■ 27.2228, 0.2318,
0.1913

■ 36.3029, 0.2527,
0.2266

■ 47.3201, 0.2725,
0.2600

60.3772, 0.2904,
0.2906

75.5702, 0.3063,
0.3179

92.9886, 0.3202,
0.3419

98.7752, 0.3244,
0.3484

Harmonies

Analogous

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



10.4232, 0.0855, 0.0833



10.4232, 0.1737, 0.0957



10.4232, 0.3571, 0.1395

Triad

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



10.4232, 0.1737, 0.0957



10.4232, 0.6194, 0.3806



10.4232, 0.0684, 0.4030

Complementary

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



10.4232, 0.1737, 0.0957



76.2092, 0.4048, 0.4935

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.



10.4232, 0.1579, 0.7362



10.4232, 0.1737, 0.0957



10.4232, 0.4679, 0.5321

Square

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



10.4232, 0.1737, 0.0957



10.4232, 0.6942, 0.2868



10.4232, 0.2939, 0.7061



10.4232, 0.0425, 0.1749

Rectangle

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



10.4232, 0.1737, 0.0957



10.4232, 0.5233, 0.1864



10.4232, 0.2939, 0.7061



10.4232, 0.0905, 0.5271

Sweetspot

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



10.4234, 0.1737, 0.0957



60.4560, 0.2769, 0.2675



63.0616, 0.2287, 0.3212



12.0819, 0.2718, 0.2588



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.



10.4234, 0.1737, 0.0957



8.4473, 0.1565, 0.0687



16.0346, 0.2367, 0.1273



14.5774, 0.2986, 0.3047



3.3846, 0.1513, 0.0607



0.2759, 0.1546, 0.0626

Inverse Universe

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



26.4908, 0.3275, 0.1740



28.7460, 0.3299, 0.1627



65.4354, 0.3417, 0.5374



15.3028, 0.3144, 0.3067



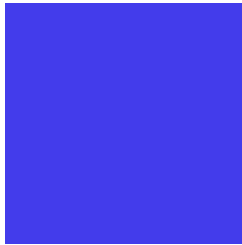
12.8804, 0.3311, 0.1598



1.0146, 0.3296, 0.1589

Previews

White Background



This preview shows how the Yxy color 10.4232, 0.1737, 0.0957 looks on a white background.

Color Contrast Check

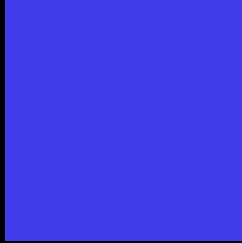
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.4232, 0.1737, 0.0957 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 10.4232, 0.1737, 0.0957

Background



This preview shows how black text looks on a background with the Yxy color 10.4232, 0.1737, 0.0957.



This preview shows how white text looks on a background with the Yxy color 10.4232, 0.1737, 0.0957.

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

10.4232, 0.1737, 0.0957

Protanopia

10.2353, 0.1750, 0.1498

Deuteranopia

10.2290, 0.1869, 0.1928



Tritanopia

10.1550, 0.2200, 0.3122

Trichromacy



Original Color

10.4232, 0.1737, 0.0957

Protanomaly

9.7662, 0.1701, 0.1213

Deuteranomaly

9.5818, 0.1756, 0.1393

Tritanomaly

8.9911, 0.1885, 0.1807

Monochromacy



Original Color

10.4232, 0.1737, 0.0957

Achromatopsia

8.4376, 0.3127, 0.3290

Achromatomaly

8.3103, 0.2320, 0.1909

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.4232, 0.1737, 0.0957 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(67, 60, 235)` looks like.

```
.text, #text, p{  
  color:rgb(67, 60, 235)  
}
```

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(67, 60, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 60, 235) }
```

Border

The CSS property to change the border of an element to Yxy 10.4232, 0.1737, 0.0957 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(67, 60, 235) }
```

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

```
.border{ border-color:rgb(67, 60, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 60, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 60, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 60, 235);  
box-shadow:4px 4px 4px 4px rgb(67, 60,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 10.4232, 0.1737, 0.0957 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 60, 235) }
```

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

```
.background{ background-color: rgb(67, 60,  
235) }
```

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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