

Converting Colors

$Y_{xy}(9.7300, 0.1733, 0.0987)$

Have a look what the booklet for
Yxy(9.7300, 0.1733, 0.0987)
contains.

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Color

Yxy(9.7114, 0.1735, 0.0988)

Conversions

Conversions Part 1

Format	Color
Hex	3D3DE0
RGB	61, 61, 224
RGB Percent	24%, 24%, 88%
CMY	0.7606, 0.7609, 0.1214
CMYK	0.73, 0.73, 0.00, 0.12
HSL	240°, 72%, 56%
HSV	240°, 73%, 88%
XYZ	17.0539, 9.7114, 71.5282
YIQ	79.5820, -52.3230, 50.6930

Conversions

Conversions Part 2

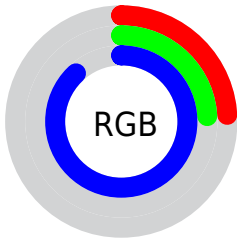
Format	Color
R _Y B	61, 61, 224
Decimal	4013536
CIE Lab	37.32, 52.19, -81.93
CIE LCh	37, 97.139, 302.495
Yxy	9.7114, 0.1735, 0.0988
Android (android.graphics.Color)	4282203616 (0xFF3D3DE0)
YUV	79.5820, 71.1981, -16.2964
Hunter-Lab	31.1631, 43.1481, -114.2732

Details

The Yxy color **9.7114, 0.1735, 0.0988** 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 **69.5145, 0.4087, 0.4878**, and the grayscale version is **7.8041, 0.3127, 0.3290**.

A 20% lighter version of the original color is **23.1972, 0.2149, 0.1511**, and **3.1041, 0.1517, 0.0660** is the 20% darker color. If you saturate the color by 10%, you get **7.2312, 0.1606, 0.0774**, and if you desaturate by 10%, it is **13.4866, 0.1909, 0.1275**.

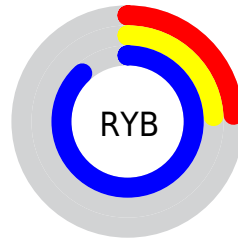
Distribution



Red (24%)

Green (24%)

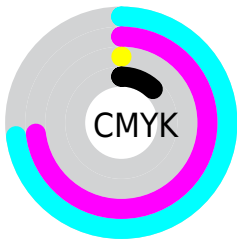
Blue (88%)



Red (24%)

Yellow (24%)

Blue (88%)

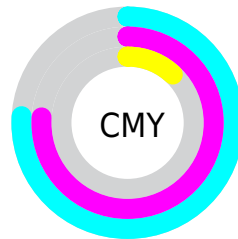


Cyan (73%)

Magenta (73%)

Yellow (0%)

Black (12%)



Cyan (76%)


Magenta (76%)


Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 9.7114, 0.1735, 0.0988 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 9.7114, 0.1735, 0.0988 by changing the saturation by 10% instead.


 9.7114, 0.1735,
0.0988


 9.7114, 0.1735,
0.0988


188.5997, 0.2535,
0.2091


 5.2080, 0.1528,
0.0767


 25.2512, 0.2038,
0.1355


 2.3698, 0.1270,
0.0527

 37.0565, 0.2149,
0.1505


 0.8103, 0.0956,
0.0286

 52.0645, 0.2242,
0.1636

 0.0000, 0.0599,
0.0000

 70.6597, 0.2320,
0.1750

 0.0000, 0.0000,
0.0000

 93.2264, 0.2386,
0.1851

 120.1490, 0.2443,

0.1940

151.8120, 0.2492,
0.2020

■ 9.7114, 0.1735,
0.0988

■ 9.7114, 0.1735,
0.0988

■ 7.2312, 0.1606,
0.0774

■ 13.4866, 0.1909,
0.1275

■ 5.8719, 0.1529,
0.0647

■ 18.6998, 0.2112,
0.1611

■ 5.3849, 0.1500,
0.0600

■ 25.4761, 0.2327,
0.1967

■ 33.9268, 0.2541,
0.2320

■ 44.1528, 0.2742,
0.2652

■ 56.2473, 0.2924,
0.2954

■ 70.2970, 0.3086,
0.3222

■ 86.3831, 0.3227,
0.3455

■ 98.1642, 0.3309,
0.3591

Harmonies

Analogous

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



9.7114, 0.0876, 0.0872



9.7114, 0.1735, 0.0988



9.7114, 0.3500, 0.1417

Triad

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



9.7114, 0.1735, 0.0988



9.7114, 0.6187, 0.3813



9.7114, 0.0754, 0.4116

Complementary

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



9.7114, 0.1735, 0.0988



69.5145, 0.4087, 0.4878

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.



9.7114, 0.1684, 0.7255



9.7114, 0.1735, 0.0988



9.7114, 0.4734, 0.5266

Square

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



9.7114, 0.1735, 0.0988



9.7114, 0.6857, 0.2890



9.7114, 0.3050, 0.6950



9.7114, 0.0465, 0.1835

Rectangle

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



9.7114, 0.1735, 0.0988



9.7114, 0.5105, 0.1879



9.7114, 0.3050, 0.6950



9.7114, 0.0989, 0.5309

Sweetspot

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



9.7116, 0.1735, 0.0988



60.1528, 0.2754, 0.2672



59.7107, 0.2315, 0.3288



12.0122, 0.2701, 0.2585



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.



9.7116, 0.1735, 0.0988



8.6436, 0.1562, 0.0702



14.5138, 0.2337, 0.1286



13.2436, 0.2981, 0.3047



3.1331, 0.1500, 0.0600



0.2173, 0.1501, 0.0600

Inverse Universe

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



24.5686, 0.3202, 0.1715



29.5695, 0.3208, 0.1586



59.4676, 0.3458, 0.5307



13.9356, 0.3138, 0.3059



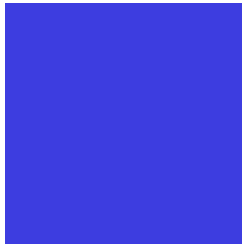
12.3537, 0.3210, 0.1542



0.8563, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 9.7114, 0.1735, 0.0988 looks on a white background.

Color Contrast Check

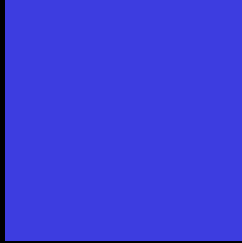
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the Yxy color 9.7114, 0.1735, 0.0988 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

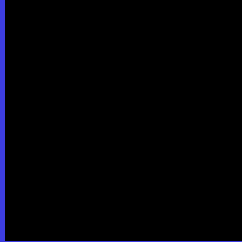
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 9.7114, 0.1735, 0.0988

Background



This preview shows how black text looks on a background with the Yxy color 9.7114, 0.1735, 0.0988.



This preview shows how white text looks on a background with the Yxy color 9.7114, 0.1735, 0.0988.

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

9.7114, 0.1735, 0.0988

Protanopia

9.5150, 0.1750, 0.1499

Deuteranopia

9.5467, 0.1870, 0.1932



Tritanopia

9.5287, 0.2199, 0.3117

Trichromacy



Original Color
9.7114, 0.1735, 0.0988

Protanomaly
9.2345, 0.1709, 0.1247

Deuteranomaly
8.9769, 0.1761, 0.1416

Tritanomaly
8.6178, 0.1898, 0.1866

Monochromacy



Original Color
9.7114, 0.1735, 0.0988

Achromatopsia
8.0220, 0.3127, 0.3290

Achromatomaly
7.8475, 0.2324, 0.1962

CSS Examples

Text

The CSS property to change the color of the text to Yxy 9.7114, 0.1735, 0.0988 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(61, 61, 224)` looks like.

```
.text, #text, p{  
    color:rgb(61, 61, 224)  
}
```

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(61, 61, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 61, 224) }
```

Border

The CSS property to change the border of an element to Yxy 9.7114, 0.1735, 0.0988 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(61, 61, 224) }
```

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

```
.border{ border-color:rgb(61, 61, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 61, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 61, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 61, 224);  
box-shadow:4px 4px 4px 4px rgb(61, 61,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 9.7114, 0.1735, 0.0988 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 61, 224) }
```

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

```
.background{ background-color: rgb(61, 61,  
224) }
```

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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