

Converting Colors

YUV(30.8100, 72.0717,
-16.4964)

Have a look what the booklet for
YUV(30.8100, 72.0717, -16.4964)
contains.

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Color

**YUV(30.8100, 72.0717,
-16.4964)**

Conversions

Conversions Part 1

Format	Color
Hex	0C0CB1
RGB	12, 12, 177
RGB Percent	5%, 5%, 69%
CMY	0.9529, 0.9529, 0.3059
CMYK	0.93, 0.93, 0.00, 0.31
HSL	240°, 87%, 37%
HSV	240°, 93%, 69%
XYZ	8.2189, 3.5154, 41.8403
YIQ	30.8100, -52.9650, 51.3150

Conversions

Conversions Part 2

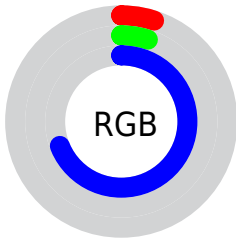
Format	Color
R _Y B	12, 12, 177
Decimal	789681
CIE Lab	22.00, 57.31, -79.89
CIE LCh	22, 98.317, 305.655
Yxy	3.5154, 0.1534, 0.0656
Android (android.graphics.Color)	4278979761 (0xFF0C0CB1)
YUV	30.8100, 72.0717, -16.4964
Hunter-Lab	18.7495, 45.4345, -119.1837

Details

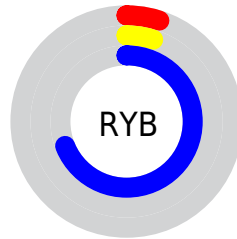
The YUV color **30.8100, 72.0717, -16.4964** is a dark color, and the websafe version is hex **000099**. A complement of this color would be **158.1900, -72.0717, 16.4964**, and the grayscale version is **30.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **94.7310, 68.6596, 4.6209**, and **14.0220, 53.7262, -12.2973** is the 20% darker color. If you saturate the color by 10%, you get **20.1780, 77.3132, -17.6961**, and if you desaturate by 10%, it is **46.7580, 64.2093, -14.6968**.

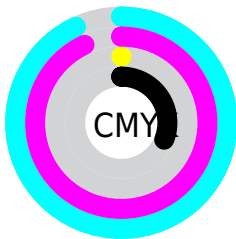
Distribution



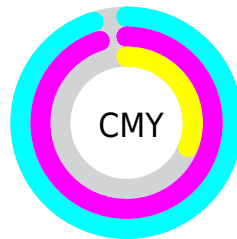
- Red (5%)
- Green (5%)
- Blue (69%)



- Red (5%)
- Yellow (5%)
- Blue (69%)



- Cyan (93%)
- Magenta (93%)
- Yellow (0%)
- Black (31%)



- Cyan (95%)
- Magenta (95%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the YUV color 30.8100, 72.0717, -16.4964 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 YUV color 30.8100, 72.0717, -16.4964 by changing the saturation by 10% instead.

■ 30.8100, 72.0717,
-16.4964

■ 30.8100, 72.0717,
-16.4964

■ 255.0000, 0.0000,
0.0000

■ 16.9860, 65.0829,
-14.8967

■ 94.7310, 68.6596,
4.6209

■ 14.0220, 53.7262,
-12.2973

■ 121.9550, 65.5912,
8.8095

■ 11.0580, 42.3694,
-9.6979

■ 146.4860, 53.4974,
14.4828

■ 12.9040, 29.1343,
-11.3168

■ 171.0170, 41.4036,
20.1561

■ 7.8200, 19.8087,
-6.8581

■ 196.4230, 28.8785,
24.1850

■ 3.5510, 11.0674,
-3.1142


■ 221.5410, 16.4953,


■ 0.0000, 0.0000,


29.3435


0.0000


 238.5640, 8.1029,
14.4144


 30.8100, 72.0717,
-16.4964


 30.8100, 72.0717,
-16.4964

 20.1780, 77.3132,
-17.6961

 46.7580, 64.2093,
-14.6968

 61.8200, 56.7837,
-12.9971

 77.7680, 48.9214,
-11.1975

 93.7160, 41.0590,
-9.3979

 109.6640, 33.1966,
-7.5983

■ 124.7260, 25.7711,
-5.8987

■ 140.6740, 17.9087,
-4.0991

■ 156.6220, 10.0464,
-2.2995

■ 171.6840, 2.6208,
-0.5999

Harmonies

Analogous

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



61.7530, 71.6068, -54.1574



30.8100, 72.0717, -16.4964



55.2690, 29.4474, 75.1861

Triad

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



30.8100, 72.0717, -16.4964



38.7600, -19.1087, 62.4775



50.9620, 7.4137, -44.6937

Complementary

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



30.8100, 72.0717, -16.4964



158.1900, -72.0717, 16.4964

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.



42.2640, -20.8362, -37.0655



30.8100, 72.0717, -16.4964



48.7190, -24.0185, 3.7544

Square

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



30.8100, 72.0717, -16.4964



44.5510, -21.9636, 91.6018



39.9160, -19.6786, -35.0063



60.4580, 38.7212, -53.0217

Rectangle

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



30.8100, 72.0717, -16.4964



56.0760, 5.3855, 92.8953



39.9160, -19.6786, -35.0063



47.4110, -3.6536, -41.5794

Sweetspot

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



30.8100, 72.0717, -16.4964



172.4100, 28.3919, -6.4986



127.6650, 24.3222, -101.4382



80.4460, 17.0351, -3.8991



242.0000, 0.0000, 0.0000



115.0000, 0.0000, 0.0000

Same Dimension

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



30.8100, 72.0717, -16.4964



26.2200, 100.4635, -22.9949



55.6270, 59.8369, 34.5301



81.0260, 3.9312, -0.8998



17.4420, 66.8301, -15.2966



2.9640, 11.3567, -2.5994

Inverse Universe

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



80.1450, 47.7495, 84.9418



94.9900, 66.5599, 118.4038



133.6720, -59.9843, -33.9153



83.7170, 2.6045, 4.6332



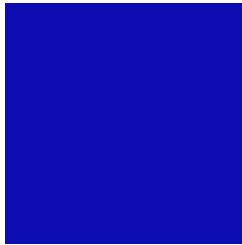
63.1890, 44.2768, 78.7642



10.7380, 7.5242, 13.3848

Previews

White Background



This preview shows how the YUV color 30.8100, 72.0717, -16.4964 looks on a white background.

Color Contrast Check

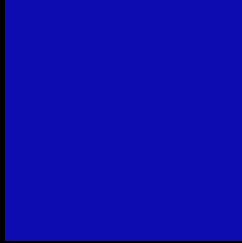
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the YUV color 30.8100, 72.0717, -16.4964 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

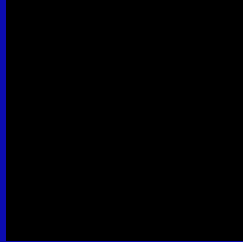
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YUV 30.8100, 72.0717, -16.4964

Background



This preview shows how black text looks on a background with the YUV color 30.8100, 72.0717, -16.4964.



This preview shows how white text looks on a background with the YUV color 30.8100, 72.0717,

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

30.8100, 72.0717, -16.4964

Protanopia

43.0640, 32.9994, -37.7671

Deuteranopia

43.4740, 24.4163, -38.1267

Trichromacy



Original Color

30.8100, 72.0717, -16.4964

Protanomaly

38.1910, 47.2338, -29.9855

Deuteranomaly

38.8120, 41.9977, -30.5301

Monochromacy



Original Color

30.8100, 72.0717, -16.4964

Achromatopsia

31.0000, 0.0000, 0.0000

Achromatomaly

30.8400, 26.2079, -5.9987

CSS Examples

Text

The CSS property to change the color of the text to YUV 30.8100, 72.0717, -16.4964 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(12, 12, 177)` looks like.

```
.text, #text, p{  
    color:rgb(12, 12, 177)  
}
```

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(12, 12, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 12, 177) }
```

Border

The CSS property to change the border of an element to YUV 30.8100, 72.0717, -16.4964 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(12, 12, 177) }
```

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

```
.border{ border-color:rgb(12, 12, 177) }
```

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

Here you see how a box with a 4 pixel rgb(12, 12, 177) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 12, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 12, 177);  
box-shadow:4px 4px 4px 4px rgb(12, 12,  
177) }
```


Background

The CSS property to change the background color of an element to YUV 30.8100, 72.0717, -16.4964 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 12, 177) }
```

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

```
.background{ background-color: rgb(12, 12,  
177) }
```

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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