

Converting Colors

YUV(46.7200, 72.1160, 16.0316)

Have a look what the booklet for
YUV(46.7200, 72.1160, 16.0316)
contains.

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Color

**YUV(46.7200, 72.1160,
16.0316)**

Conversions

Conversions Part 1

Format	Color
Hex	4109C1
RGB	65, 9, 193
RGB Percent	25%, 4%, 76%
CMY	0.7451, 0.9647, 0.2431
CMYK	0.66, 0.95, 0.00, 0.24
HSL	258°, 91%, 40%
HSV	258°, 95%, 76%
XYZ	11.9033, 5.1694, 50.8225
YIQ	46.7200, -25.6880, 69.0960

Conversions

Conversions Part 2

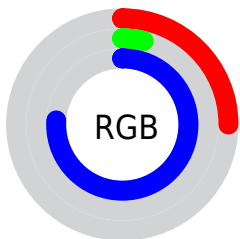
Format	Color
R _Y B	65, 9, 193
Decimal	4262337
CIE Lab	27.21, 63.90, -80.64
CIE LCh	27, 102.885, 308.393
Yxy	5.1694, 0.1753, 0.0761
Android (android.graphics.Color)	4282452417 (0xFF4109C1)
YUV	46.7200, 72.1160, 16.0316
Hunter-Lab	22.7364, 53.6622, -116.6149

Details

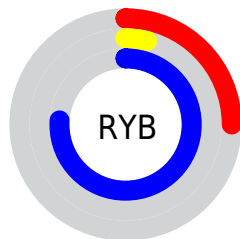
The YUV color **46.7200, 72.1160, 16.0316** is a dark color, and the websafe version is hex **3300CC**. The color can be described as dark washed blue. A complement of this color would be **155.2800, -72.1160, -16.0316**, and the grayscale version is **46.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **108.8730, 70.0686, 19.4054**, and **15.7320, 60.2781, -13.7970** is the 20% darker color. If you saturate the color by 10%, you get **39.6430, 75.6050, 16.9761**, and if you desaturate by 10%, it is **61.7600, 64.7013, 14.2425**.

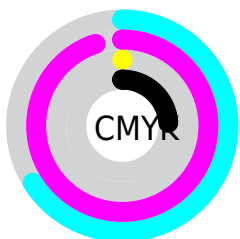
Distribution



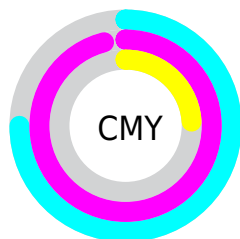
- Red (25%)
- Green (4%)
- Blue (76%)



- Red (25%)
- Yellow (4%)
- Blue (76%)



- Cyan (66%)
- Magenta (95%)
- Yellow (0%)
- Black (24%)



- Cyan (75%)
- Magenta (96%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the YUV color 46.7200, 72.1160, 16.0316 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 46.7200, 72.1160, 16.0316 by changing the saturation by 10% instead.

■ 46.7200, 72.1160,
16.0316

■ 46.7200, 72.1160,
16.0316

■ 255.0000, 0.0000,
0.0000

■ 23.2950, 69.8606,
-7.2747

■ 108.8730, 70.0686,
19.4054

■ 15.7320, 60.2781,
-13.7970

■ 134.4470, 59.4326,
24.1640

■ 12.6540, 48.4846,
-11.0976

■ 159.2660, 47.1969,
28.7077

■ 12.7390, 36.1177,
-11.1721

■ 184.3840, 34.8137,
33.8662

■ 10.4760, 24.9083,
-9.1875

■ 210.0890, 22.1411,
38.5099

■ 6.2070, 16.1669,
-5.4435

■ 226.8240, 13.8908,


■ 2.4110, 6.6994,


24.7104


-2.1144

 243.8470, 5.4984,
9.7812


 0.0000, 0.0000,
0.0000


 46.7200, 72.1160,
16.0316


 46.7200, 72.1160,
16.0316


 39.6430, 75.6050,
16.9761

 61.7600, 64.7013,
14.2425

 77.6860, 56.8498,
12.5534

 92.7260, 49.4351,
10.7643

 108.0650, 41.8730,
9.5900

 123.1050, 34.4582,
7.8009

■ 139.0310, 26.6067,
6.1118

■ 154.0710, 19.1920,
4.3227

■ 169.1110, 11.7773,
2.5337

■ 185.0370, 3.9258,
0.8446

Harmonies

Analogous

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



69.5440, 78.6118, -60.9901



46.7200, 72.1160, 16.0316



63.4710, 29.8408, 89.0409

Triad

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



46.7200, 72.1160, 16.0316



54.9740, -27.1022, 59.6588



61.4600, 12.0982, -53.9004

Complementary

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



46.7200, 72.1160, 16.0316



155.2800, -72.1160, -16.0316

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.



50.4820, -24.8876, -44.2727



46.7200, 72.1160, 16.0316



58.1440, -28.6650, 0.7507

Square

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



46.7200, 72.1160, 16.0316



50.2320, -24.7644, 103.2825



48.1340, -23.7301, -42.2135



71.5260, 45.5897, -62.7283

Rectangle

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



46.7200, 72.1160, 16.0316



63.6370, 4.6160, 106.4354



48.1340, -23.7301, -42.2135



57.6810, 0.1573, -50.5862

Sweetspot

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



46.7200, 72.1160, 16.0316



191.9000, 28.6433, 6.2267



105.6990, 43.0394, -84.8050



90.2020, 17.1554, 4.2078



252.0000, 0.0000, 0.0000



125.0000, 0.0000, 0.0000

Same Dimension

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



46.7200, 72.1160, 16.0316



51.2240, 97.9966, 21.7286



73.9290, 58.7020, 71.9763



89.0370, 3.9258, 0.8446



33.0050, 63.1015, 14.0276



6.7520, 12.9403, 2.8485

Inverse Universe

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



78.6080, 28.7873, 100.3218



94.5860, 39.1511, 136.2981



128.0710, -58.7020, -71.9763



90.7880, 1.5835, 5.4479



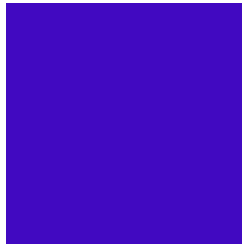
60.9070, 25.1888, 87.7816



12.4890, 5.1819, 17.9881

Previews

White Background



This preview shows how the YUV color 46.7200, 72.1160, 16.0316 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



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

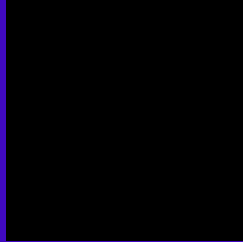
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YUV 46.7200, 72.1160, 16.0316

Background



This preview shows how black text looks on a background with the YUV color 46.7200, 72.1160, 16.0316.



This preview shows how white text looks on a background with the YUV color 46.7200, 72.1160,

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

46.7200, 72.1160, 16.0316

Protanopia

52.1430, 39.8625, -45.7294

Deuteranopia

52.7980, 29.6796, -46.3038



Tritanopia

51.7430, 12.9447, -45.3786

Trichromacy



Original Color

46.7200, 72.1160, 16.0316

Protanomaly

50.0870, 51.7221, -22.8783

Deuteranomaly

50.9530, 44.8862, -23.6378

Tritanomaly

50.2060, 34.4084, -22.9827

Monochromacy



Original Color

46.7200, 72.1160, 16.0316

Achromatopsia

47.0000, 0.0000, 0.0000

Achromatomaly

46.9170, 26.1699, 6.2118

CSS Examples

Text

The CSS property to change the color of the text to YUV 46.7200, 72.1160, 16.0316 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(65, 9, 193)` looks like.

```
.text, #text, p{  
    color:rgb(65, 9, 193)  
}
```

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(65, 9, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 9, 193) }
```

Border

The CSS property to change the border of an element to YUV 46.7200, 72.1160, 16.0316 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(65, 9, 193) }
```


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

```
.border{ border-color:rgb(65, 9, 193) }
```

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

Here you see how a box with a 4 pixel rgb(65, 9, 193) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 9, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 9, 193);  
box-shadow:4px 4px 4px 4px rgb(65, 9, 193)  
}
```

Background

The CSS property to change the background color of an element to YUV 46.7200, 72.1160, 16.0316 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 9, 193) }
```

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

```
.background{ background-color: rgb(65, 9,  
193) }
```

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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