

Converting Colors

YUV(46.2230, 82.7141, 23.4834)

Have a look what the booklet for
YUV(46.2230, 82.7141, 23.4834)
contains.

YUV(46.2230, 82.7141, 23.4834)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	30

Color

**YUV(46.2230, 82.7141,
23.4834)**

Conversions

Conversions Part 1

Format	Color
Hex	4900D6
RGB	73, 0, 214
RGB Percent	29%, 0%, 84%
CMY	0.7137, 1.0000, 0.1608
CMYK	0.66, 1.00, 0.00, 0.16
HSL	260°, 100%, 42%
HSV	260°, 100%, 84%
XYZ	14.8853, 6.2715, 64.0443
YIQ	46.2230, -25.1860, 82.0300

Conversions

Conversions Part 2

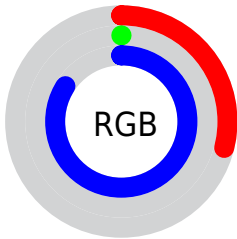
Format	Color
R_{YB}	73, 0, 214
Decimal	4784342
CIE _{Lab}	30.09, 70.86, -88.11
CIE _{LCh}	30, 113.069, 308.806
Yxy	6.2715, 0.1747, 0.0736
Android (android.graphics.Color)	4282974422 (0xFF4900D6)
YUV	46.2230, 82.7141, 23.4834
Hunter-Lab	25.0430, 62.2731, -134.0967

Details

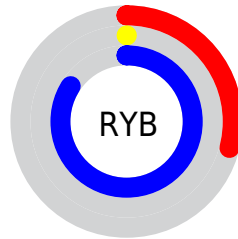
The YUV color **46.2230, 82.7141, 23.4834** is a dark color, and the websafe version is hex **3300CC**. The color can be described as dark washed blue. A complement of this color would be **167.7770, -82.7141, -23.4834**, and the grayscale version is **45.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **112.3190, 70.3417, 25.1532**, and **17.8980, 68.5773, -15.6965** is the 20% darker color. If you saturate the color by 10%, you get **46.2230, 82.7141, 23.4834**, and if you desaturate by 10%, it is **62.7360, 74.5732, 21.2795**.

Distribution



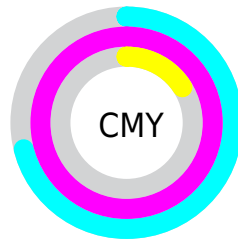
- Red (29%)
- Green (0%)
- Blue (84%)



- Red (29%)
- Yellow (0%)
- Blue (84%)



- Cyan (66%)
- Magenta (100%)
- Yellow (0%)
- Black (16%)



- Cyan (71%)
- Magenta (100%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the YUV color 46.2230, 82.7141, 23.4834 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 46.2230, 82.7141, 23.4834 by changing the saturation by 10% instead.

■ 46.2230, 82.7141,
23.4834

■ 46.2230, 82.7141,
23.4834

■ 255.0000, 0.0000,
0.0000

■ 28.2660, 77.2699,
-3.7413

■ 112.3190, 70.3417,
25.1532

■ 17.8980, 68.5773,
-15.6965

■ 138.0240, 57.6692,
29.7970

■ 14.8200, 56.7837,
-12.9971

■ 163.1420, 45.2860,
34.9555

■ 11.8560, 45.4270,
-10.3977

■ 189.1460, 32.4660,
40.2140

■ 14.8760, 31.6131,
-13.0463

■ 211.5620, 21.4149,
38.0951

■ 9.2050, 22.5769,
-8.0728


■ 228.5850, 13.0226,


■ 4.9360, 13.8356,


23.1660


-4.3289


 245.6080, 4.6303,
8.2368


 0.5700, 2.1840,
-0.4999


 0.0000, 0.0000,
0.0000

 46.2230, 82.7141,
23.4834

 62.7360, 74.5732,
21.2795

 79.8360, 66.1429,
18.5608

 96.3490, 58.0019,
16.3569

 113.4490, 49.5716,
13.6382

■ 130.2610, 41.2833,
12.0491

■ 146.7740, 33.1424,
9.8452

■ 163.8740, 24.7121,
7.1265

■ 180.3870, 16.5712,
4.9226

■ 197.4870, 8.1409,
2.2039

Harmonies

Analogous

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



76.6170, 87.9428, -67.1931



46.2230, 82.7141, 23.4834



70.6340, 32.7184, 99.4220

Triad

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



46.2230, 82.7141, 23.4834



60.3230, -29.7392, 65.4917



67.8830, 13.8617, -59.5334

Complementary

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



46.2230, 82.7141, 23.4834



167.7770, -82.7141, -23.4834

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.



55.1780, -27.2028, -48.3911



46.2230, 82.7141, 23.4834



64.3350, -31.7172, -0.2938

Square

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



46.2230, 82.7141, 23.4834



55.3150, -27.2703, 113.7337



52.8300, -26.0452, -46.3319



79.5620, 50.9949, -69.7759

Rectangle

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



46.2230, 82.7141, 23.4834



70.3010, 4.2886, 118.1310



52.8300, -26.0452, -46.3319



63.7620, 0.6103, -55.9193

Sweetspot

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



46.2230, 82.7141, 23.4834



195.4380, 29.3641, 8.3859



108.3370, 52.0919, -95.0115



91.7290, 17.8816, 4.6227



0.0000, 0.0000, 0.0000



128.0000, 0.0000, 0.0000

Same Dimension

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



46.2230, 82.7141, 23.4834



55.0830, 98.5591, 27.9912



77.6180, 67.2363, 88.0350



98.4500, 4.2152, 1.3594



36.8360, 66.1429, 18.5608



9.3870, 16.5712, 4.9226

Inverse Universe

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



80.0600, 30.0434, 117.4654



95.3970, 35.7933, 139.9718



136.3820, -67.2363, -88.0350



100.0870, 1.4361, 6.0627



64.0110, 24.1516, 93.8294



16.1630, 6.3286, 23.5360

Previews

White Background



This preview shows how the YUV color 46.2230, 82.7141, 23.4834 looks on a white background.

Color Contrast Check

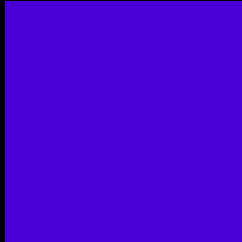
Large Text (above 18pt) WCAG AA ✓ Pass

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 46.2230, 82.7141, 23.4834 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

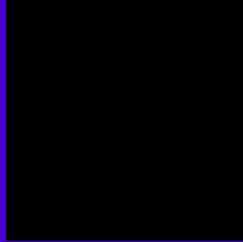
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YUV 46.2230, 82.7141, 23.4834

Background



This preview shows how black text looks on a background with the YUV color 46.2230, 82.7141, 23.4834.



This preview shows how white text looks on a background with the YUV color 46.2230, 82.7141,

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



Protanopia

57.8480, 43.9519, -50.7327

Deuteranopia

58.2750, 32.8954, -51.1072

Tritanopia

57.3510, 14.1240, -50.2968

Trichromacy



Protanomaly

53.9820, 57.6899, -23.6632

Deuteranomaly

54.1470, 50.7065, -23.8079

Tritanomaly

53.7590, 39.0658, -23.4676

Monochromacy



Achromatopsia

46.0000, 0.0000, 0.0000

Achromatomaly

45.9650, 30.0903, 8.8007

CSS Examples

Text

The CSS property to change the color of the text to YUV 46.2230, 82.7141, 23.4834 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(73, 0, 214)` looks like.

```
.text, #text, p{  
    color:rgb(73, 0, 214)  
}
```

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(73, 0, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 0, 214) }
```

Border

The CSS property to change the border of an element to YUV 46.2230, 82.7141, 23.4834 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(73, 0, 214) }
```

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

```
.border{ border-color:rgb(73, 0, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 0, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 0, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 0, 214);  
box-shadow:4px 4px 4px 4px rgb(73, 0, 214)  
}
```


Background

The CSS property to change the background color of an element to YUV 46.2230, 82.7141, 23.4834 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 0, 214) }
```

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

```
.background{ background-color: rgb(73, 0,  
214) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor