

# Converting Colors

YUV(83.7760, -29.9626,  
90.5274)

Have a look what the booklet for  
YUV(83.7760, -29.9626, 90.5274)  
contains.

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# Color

**YUV(83.7760, -29.9626,  
90.5274)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BB2B17
RGB	187, 43, 23
RGB Percent	73%, 17%, 9%
CMY	0.2667, 0.8314, 0.9098
CMYK	0.00, 0.77, 0.88, 0.27
HSL	7°, 78%, 41%
HSV	7°, 88%, 73%
XYZ	21.5120, 12.3544, 2.0614
YIQ	83.7760, 92.2440, 24.3080

# Conversions

## Conversions Part 2

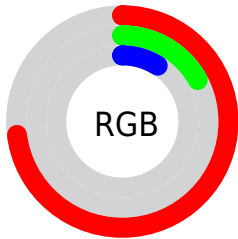
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	187, 46, 23
Decimal	12266263
CIE <sub>Lab</sub>	41.77, 55.68, 46.31
CIE <sub>LCh</sub>	42, 72.421, 39.747
Yxy	12.3544, 0.5988, 0.3439
Android (android.graphics.Color)	4290456343 (0xFFBB2B17)
YUV	83.7760, -29.9626, 90.5274
Hunter-Lab	35.1488, 47.7364, 21.1269

# Details

The YUV color **83.7760, -29.9626, 90.5274** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **126.2240, 29.9626, -90.5274**, and the grayscale version is **84.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **142.3160, -35.6518, 95.3159**, and **37.3750, -18.4259, 76.8471** is the 20% darker color. If you saturate the color by 10%, you get **72.2180, -33.6315, 100.6638**, and if you desaturate by 10%, it is **95.3340, -26.2937, 80.3911**.

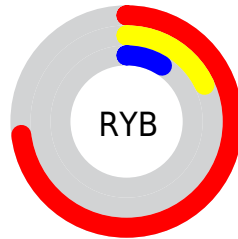
# Distribution



Red (73%)

Green (17%)

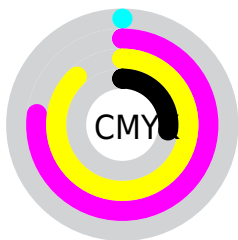
Blue (9%)



Red (73%)

Yellow (18%)

Blue (9%)

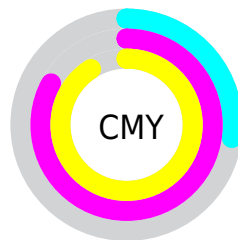


Cyan (0%)

Magenta (77%)

Yellow (88%)

Black (27%)



Cyan (27%)

Magenta (83%)


Yellow (91%)


# Brightness & Saturation Gradients

These gradients show how the YUV color 83.7760, -29.9626, 90.5274 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 83.7760, -29.9626, 90.5274 by changing the saturation by 10% instead.





 83.7760, -29.9626,  
90.5274


 83.7760, -29.9626,  
90.5274


255.0000, 0.0000,  
0.0000


 46.6440, -22.9955,  
95.9052


 142.3160,  
-35.6518, 95.3159

 37.3750, -18.4259,  
76.8471


 162.0970,  
-33.5718, 81.4759


 28.1060, -13.8563,  
57.7890

 181.4970,  
-30.3180, 64.4621

 19.9620, -8.8553,  
40.3753

 201.4840,  
-27.3536, 46.9335

 10.2800, -4.5750,  
20.8024


 220.9980,  
-23.6630, 29.8198


 0.0000, 0.0000,  
0.0000


 241.6860,


-20.5512, 11.6764


 252.0360,  
-11.3567, 2.5994


 83.7760, -29.9626,  
90.5274


 83.7760, -29.9626,  
90.5274


 72.2180, -33.6315,  
100.6638


 95.3340, -26.2937,  
80.3911

 69.4140, -34.2211,  
103.1229

 107.3650,  
-23.3509, 69.8399

 118.9230,  
-19.6820, 59.7035

 131.0680,  
-16.3025, 49.0524

 142.6260,  
-12.6336, 38.9160

■ 154.6570, -9.6909,  
28.3648

■ 166.2150, -6.0220,  
18.2284

■ 177.7730, -2.3531,  
8.0921

■ 189.8040, 0.5896,  
-2.4591

# Harmonies

## Analogous

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



69.1480, 6.3360, 114.7572



83.7760, -29.9626, 90.5274



92.4080, -45.5571, 52.2622

# Triad

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



83.7760, -29.9626, 90.5274



77.1830, -11.4292, -67.6895



83.5520, 66.2829, -73.2751

# Complementary

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



83.7760, -29.9626, 90.5274



126.2240, 29.9626, -90.5274

# 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.



92.2600, 59.0318, -80.9120



83.7760, -29.9626, 90.5274



85.5390, 15.5103, -75.0177

# Square

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



83.7760, -29.9626, 90.5274



74.9800, -36.9651, -43.8325



91.4500, 40.6972, -80.2016



99.7440, 45.4822, 18.6415



# Rectangle

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



83.7760, -29.9626, 90.5274



92.5310, -45.6178, 24.9673



91.4500, 40.6972, -80.2016



87.8890, 65.1307, -77.0787

# Sweetspot

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



83.7760, -29.9626, 90.5274



202.5330, -11.6018, 34.6126



88.5660, 39.1610, 86.3266



98.2970, -7.0484, 20.7875



250.0000, 0.0000, 0.0000



122.0000, 0.0000, 0.0000



# Same Dimension

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



83.7760, -29.9626, 90.5274



89.9680, -44.3542, 133.3321



131.3230, -53.4032, 48.8287



88.2780, -1.6161, 5.0182



58.3950, -28.7887, 87.3536



11.6170, -5.7272, 16.9989



# Inverse Universe

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



126.2240, 29.9626, -90.5274



152.6190, 44.0648, -133.8469



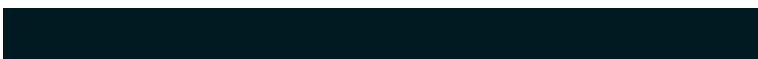
78.6770, 53.4032, -48.8287



90.7220, 1.6161, -5.0182



99.6050, 28.7887, -87.3536



19.3830, 5.7272, -16.9989



# Previews

## White Background



This preview shows how the YUV color 83.7760, -29.9626, 90.5274 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 YUV color 83.7760, -29.9626, 90.5274 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

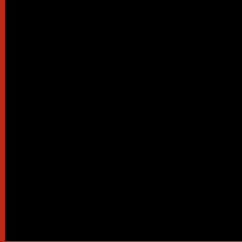
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 83.7760, -29.9626, 90.5274

## Background



This preview shows how black text looks on a background with the YUV color 83.7760, -29.9626, 90.5274.



This preview shows how white text looks on a background with the YUV color 83.7760, -29.9626,



# 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

83.7760, -29.9626, 90.5274

### Protanopia

96.1070, -29.1398, 13.0612

### Deuteranopia

93.4390, -46.0654, 28.5560



## Tritanopia

84.6540, -21.5214, 89.7574

# Trichromacy



## Original Color

83.7760, -29.9626, 90.5274

## Protanomaly

91.5820, -29.3739, 41.5856

## Deuteranomaly

89.7760, -40.3156, 51.0624

## Tritanomaly

84.4430, -24.8684, 89.9425

# Monochromacy



## Original Color

83.7760, -29.9626, 90.5274

## Achromatopsia

84.0000, 0.0000, 0.0000

## Achromatomaly

83.7500, -10.7227, 32.6683

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 83.7760, -29.9626, 90.5274 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(187, 43, 23)` looks like.

```
.text, #text, p{  
    color:rgb(187, 43, 23)  
}
```

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(187, 43, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 43, 23) }
```

## Border

The CSS property to change the border of an element to YUV 83.7760, -29.9626, 90.5274 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(187, 43, 23) }
```



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

```
.border{ border-color:rgb(187, 43, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 43, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 43, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 43, 23);  
box-shadow:4px 4px 4px 4px rgb(187, 43,  
23) }
```

# Background

The CSS property to change the background color of an element to YUV 83.7760, -29.9626, 90.5274 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 43, 23) }
```

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

```
.background{ background-color: rgb(187, 43,  
23) }
```

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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