

# Converting Colors

YUV(187.6270, -91.5141,  
45.9311)

Have a look what the booklet for  
YUV(187.6270, -91.5141, 45.9311)  
contains.

<b>YUV(187.6270, -91.5141, 45.9311)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YUV(187.6270, -91.5141,  
45.9311)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F0C502
RGB	240, 197, 2
RGB Percent	94%, 77%, 1%
CMY	0.0588, 0.2275, 0.9922
CMYK	0.00, 0.18, 0.99, 0.06
HSL	49°, 98%, 47%
HSV	49°, 99%, 94%
XYZ	55.9124, 58.4622, 8.3949
YIQ	187.6270, 88.2230, -51.5290

# Conversions

## Conversions Part 2

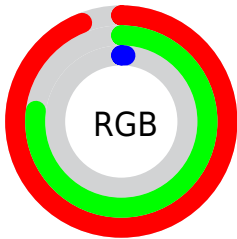
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	54, 240, 2
Decimal	15779074
CIE <sub>Lab</sub>	81.00, 0.87, 82.11
CIE <sub>LCh</sub>	81, 82.114, 89.396
Yxy	58.4622, 0.4554, 0.4762
Android (android.graphics.Color)	4293969154 (0xFFFF0C502)
YUV	187.6270, -91.5141, 45.9311
Hunter-Lab	76.4605, -3.2764, 47.0127

# Details

The YUV color **187.6270, -91.5141, 45.9311** is a light color, and the websafe version is hex **FFCC00**. The color can be described as light saturated yellow. A complement of this color would be **54.3730, 91.5141, -45.9311**, and the grayscale version is **188.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **234.4460, -73.6769, 18.0259**, and **138.0490, -68.0582, 35.9140** is the 20% darker color. If you saturate the color by 10%, you get **187.3990, -92.3877, 46.1311**, and if you desaturate by 10%, it is **192.7110, -82.1885, 41.4725**.

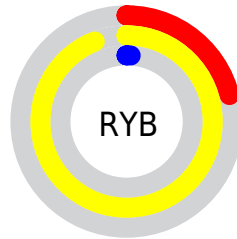
# Distribution



Red (94%)

Green (77%)

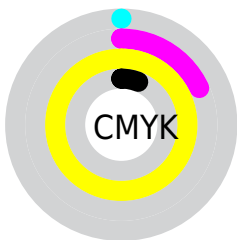
Blue (1%)



Red (21%)

Yellow (94%)

Blue (1%)

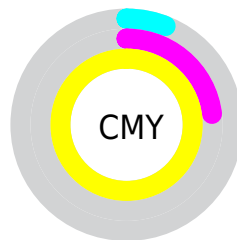


Cyan (0%)

Magenta (18%)

Yellow (99%)

Black (6%)



Cyan (6%)

Magenta (23%)

Yellow (99%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 187.6270, -91.5141, 45.9311 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 187.6270, -91.5141, 45.9311 by changing the saturation by 10% instead.



187.6270,  
-91.5141, 45.9311

187.6270,  
-91.5141, 45.9311

255.0000, 0.0000,  
0.0000

162.2810,  
-80.0045, 40.9726

234.4460,  
-73.6769, 18.0259

138.0490,  
-68.0582, 35.9140

239.0400,  
-61.1517, 13.9969

113.8170,  
-56.1118, 30.8555

242.3460,  
-48.4846, 11.0976

91.0580, -44.8916,  
25.3821

245.6520,  
-35.8174, 8.1982

68.8860, -33.9608,  
19.3940

248.9580,  
-23.1503, 5.2988

47.8990, -23.6142,  
14.1206

252.3780,

28.0970, -13.8518,

-10.0464, 2.2995

9.5619

■ 4.1530, -2.0474,  
3.3738

■ 0.0000, 0.0000,  
0.0000

■ 187.6270,  
-91.5141, 45.9311

■ 187.6270,  
-91.5141, 45.9311

■ 187.3990,  
-92.3877, 46.1311

■ 192.7110,  
-82.1885, 41.4725

■ 198.3820,  
-73.1523, 36.4990

■ 203.4660,  
-63.8267, 32.0403

■ 208.5500,  
-54.5011, 27.5817

■ 214.2210,  
-45.4650, 22.6082

■ 219.3050,  
-36.1394, 18.1495

■ 224.3890,  
-26.8138, 13.6908

■ 230.0600,  
-17.7776, 8.7174

■ 235.1440, -8.4520,  
4.2587

# Harmonies

## Analogous

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



181.5700, -57.9620, 64.3981



187.6270, -91.5141, 45.9311



182.4740, -66.2957, -16.2017

# Triad

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



187.6270, -91.5141, 45.9311



167.6020, 43.0872, -146.9870



191.0170, 31.5436, 56.1131

# Complementary

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



187.6270, -91.5141, 45.9311



54.3730, 91.5141, -45.9311

# 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.



193.9210, 30.1119, 1.8233



187.6270, -91.5141, 45.9311



163.4930, 45.1130, -143.3834

# Square

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



187.6270, -91.5141, 45.9311



161.5770, 17.4635, -141.7030



152.9270, 50.3220, -134.1170



172.5170, 16.5071, 72.3376



# Rectangle

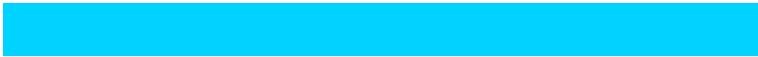
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



187.6270, -91.5141, 45.9311



172.3590, -38.6310, -69.5978



152.9270, 50.3220, -134.1170



198.0610, 28.0709, 49.9355

# Sweetspot

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



187.6270, -91.5141, 45.9311



238.1180, -29.1452, 14.8055



78.1780, -15.8638, 141.9179



117.4730, -17.4882, 9.2322



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.



187.6270, -91.5141, 45.9311



198.9280, -98.0715, 49.1751



190.4430, -92.9024, -22.3135



117.4580, -4.6628, 2.2293



143.0660, -70.5315, 35.8991



43.7460, -21.5668, 10.7468



# Inverse Universe

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



54.3730, 91.5141, -45.9311



56.0720, 98.0715, -49.1751



51.5570, 92.9024, 22.3135



110.5420, 4.6628, -2.2293



40.3470, 70.8209, -35.3843



12.2540, 21.5668, -10.7468



# Previews

## White Background



This preview shows how the YUV color 187.6270, -91.5141, 45.9311 looks on a white 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



# Black Background



This preview shows how the YUV color 187.6270, -91.5141, 45.9311 looks on a black 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

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

# YUV 187.6270, -91.5141, 45.9311 Background



This preview shows how black text looks on a background with the YUV color 187.6270, -91.5141, 45.9311.



This preview shows how white text looks on a background with the YUV color 187.6270, -91.5141,



# 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

187.6270, -91.5141, 45.9311

### Protanopia

187.5870, -87.5504, 34.5652

### Deuteranopia

190.2290, -84.4159, 55.9272



## Tritanopia

204.6290, -3.7611, 39.7904

# Trichromacy



## Original Color

187.6270, -91.5141, 45.9311

## Protanomaly

187.5660, -89.0190, 38.9686

## Deuteranomaly

189.2240, -86.8784, 52.4236

## Tritanomaly

198.2740, -35.6311, 41.8557

# Monochromacy



## Original Color

187.6270, -91.5141, 45.9311

## Achromatopsia

188.0000, 0.0000, 0.0000

## Achromatomaly

187.6900, -33.3712, 16.9349

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 187.6270, -91.5141, 45.9311 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(240, 197, 2)` looks like.

```
.text, #text, p{  
    color:rgb(240, 197, 2)  
}
```

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(240, 197, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 197, 2) }
```

## Border

The CSS property to change the border of an element to YUV 187.6270, -91.5141, 45.9311 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(240, 197, 2) }
```



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

```
.border{ border-color:rgb(240, 197, 2) }
```

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

Here you see how a box with a 4 pixel rgb(240, 197, 2) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 197, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 197, 2);  
box-shadow:4px 4px 4px 4px rgb(240, 197,  
2) }
```

# Background

The CSS property to change the background color of an element to YUV 187.6270, -91.5141, 45.9311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 197, 2) }
```

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

```
.background{ background-color: rgb(240,  
197, 2) }
```

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