

# Converting Colors

YUV(90.7780, -26.0196,  
132.6217)

Have a look what the booklet for  
YUV(90.7780, -26.0196, 132.6217)  
contains.

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# Color

**YUV(90.7780, -26.0196,  
132.6217)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F21826
RGB	242, 24, 38
RGB Percent	95%, 9%, 15%
CMY	0.0510, 0.9059, 0.8510
CMYK	0.00, 0.90, 0.84, 0.05
HSL	356°, 89%, 52%
HSV	356°, 90%, 95%
XYZ	37.2944, 19.6705, 3.6649
YIQ	90.7780, 125.4340, 50.5700

# Conversions

## Conversions Part 2

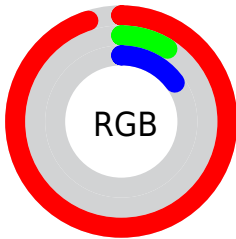
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	242, 24, 38
Decimal	15865894
CIE <sub>Lab</sub>	51.46, 75.26, 51.74
CIE <sub>LCh</sub>	51, 91.331, 34.507
Yxy	19.6705, 0.6151, 0.3244
Android (android.graphics.Color)	4294055974 (0xFFFF21826)
YUV	90.7780, -26.0196, 132.6217
Hunter-Lab	44.3514, 72.4831, 26.1467

# Details

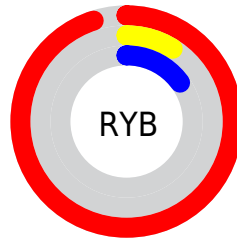
The YUV color **90.7780, -26.0196, 132.6217** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **175.2220, 26.0196, -132.6217**, and the grayscale version is **91.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **144.6350, -29.4001, 96.7901**, and **52.6240, -25.9436, 108.2008** is the 20% darker color. If you saturate the color by 10%, you get **74.1820, -28.6837, 147.1764**, and if you desaturate by 10%, it is **107.4880, -22.9186, 117.9670**.

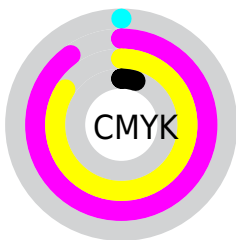
# Distribution



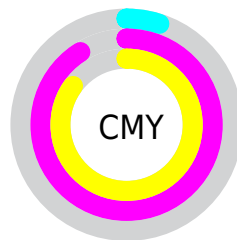
- Red (95%)
- Green (9%)
- Blue (15%)



- Red (95%)
- Yellow (9%)
- Blue (15%)



- Cyan (0%)
- Magenta (90%)
- Yellow (84%)
- Black (5%)




- Cyan (5%)
- Magenta (91%)
- Yellow (85%)


# Brightness & Saturation Gradients

These gradients show how the YUV color 90.7780, -26.0196, 132.6217 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 90.7780, -26.0196, 132.6217 by changing the saturation by 10% instead.




 90.7780, -26.0196,  
132.6217


 90.7780, -26.0196,  
132.6217


255.0000, 0.0000,  
0.0000


 64.2010, -24.2561,  
126.9887


 144.6350,  
-29.4001, 96.7901

 52.6240, -25.9436,  
108.2008


 165.6820,  
-27.4512, 78.3319


 42.7570, -21.0792,  
87.9131

 186.2560,  
-24.7762, 60.2885

 33.3030, -15.9254,  
68.1403

 206.3570,  
-21.3750, 42.6599

 24.6750, -10.1928,  
49.3970

 227.6320,  
-18.5526, 24.0017

 14.8790, -6.3493,  
29.9241

 248.4340,

 0.0000, 0.0000,

-15.0040, 5.7584

0.0000

254.0880, -3.4944,  
0.7998

■ 90.7780, -26.0196,  
132.6217

■ 90.7780, -26.0196,  
132.6217

■ 74.1820, -28.6837,  
147.1764

■ 107.4880,  
-22.9186, 117.9670

■ 124.0840,  
-20.2544, 103.4123

■ 141.3810,  
-17.4428, 88.2429

■ 158.0910,  
-14.3419, 73.5882

■ 174.6870,  
-11.6777, 59.0335

■ 191.3970, -8.5767,  
44.3788

■ 208.1070, -5.4758,  
29.7242

■ 225.2900, -3.1010,  
14.6547

■ 242.0000, 0.0000,  
0.0000

# Harmonies

## Analogous

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



88.7570, 12.9378, 144.0411



90.7780, -26.0196, 132.6217



113.5160, -55.9634, 76.7235

# Triad

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



90.7780, -26.0196, 132.6217



93.5220, -22.4423, -82.0188



105.3800, 73.7627, -92.4183

# Complementary

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



90.7780, -26.0196, 132.6217



175.2220, 26.0196, -132.6217

# 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.



115.9460, 68.5536, -101.6846



90.7780, -26.0196, 132.6217



105.5600, 13.5279, -92.5761

# Square

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



90.7780, -26.0196, 132.6217



97.7060, -48.1691, -43.5922



114.3380, 47.1614, -100.2744



122.1070, 65.0232, 4.2912



# Rectangle

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



90.7780, -26.0196, 132.6217



115.9430, -57.1599, 40.3920



114.3380, 47.1614, -100.2744



110.0760, 71.4475, -96.5367

# Sweetspot

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



90.7780, -26.0196, 132.6217



207.2010, -7.9871, 41.9197



109.5490, 65.2983, 103.0045



99.4870, -5.1701, 25.0059



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.



90.7780, -26.0196, 132.6217



78.0690, -30.6000, 155.1685



144.3600, -59.3375, 85.6303



111.7020, -1.3321, 7.2773



56.3840, -21.8813, 111.9192



17.2000, -6.5076, 34.0276



# Inverse Universe

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



90.7780, -26.0196, 132.6217



78.0690, -30.6000, 155.1685



121.6400, 59.3375, -85.6303



111.7020, -1.3321, 7.2773



56.3840, -21.8813, 111.9192



17.2000, -6.5076, 34.0276



# Previews

## White Background



This preview shows how the YUV color 90.7780, -26.0196, 132.6217 looks on a white 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



# Black Background



This preview shows how the YUV color 90.7780, -26.0196, 132.6217 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 × Fail

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

# YUV 90.7780, -26.0196, 132.6217

## Background



This preview shows how black text looks on a background with the YUV color 90.7780, -26.0196, 132.6217.



This preview shows how white text looks on a background with the YUV color 90.7780, -26.0196,



# 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

90.7780, -26.0196, 132.6217

### Protanopia

120.7050, -29.4346, 14.2907

### Deuteranopia

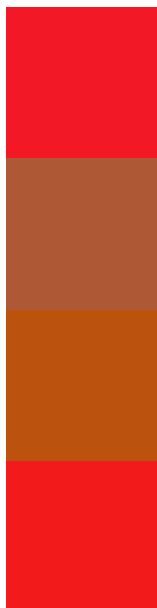
115.3230, -56.8542, 35.6737



## Tritanopia

90.4870, -34.7501, 132.8769

# Trichromacy



## Original Color

90.7780, -26.0196, 132.6217

## Protanomaly

110.0230, -28.1123, 56.9848

## Deuteranomaly

106.2300, -45.4694, 70.8353

## Tritanomaly

90.6980, -31.4031, 132.6919

# Monochromacy



## Original Color

90.7780, -26.0196, 132.6217

## Achromatopsia

91.0000, 0.0000, 0.0000

## Achromatomaly

91.1910, -9.4612, 48.0675

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 90.7780, -26.0196, 132.6217 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(242, 24, 38)` looks like.

```
.text, #text, p{  
    color:rgb(242, 24, 38)  
}
```

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(242, 24, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 24, 38) }
```

## Border

The CSS property to change the border of an element to YUV 90.7780, -26.0196, 132.6217 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(242, 24, 38) }
```



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

```
.border{ border-color:rgb(242, 24, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 24, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 24, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 24, 38);  
box-shadow:4px 4px 4px 4px rgb(242, 24,  
38) }
```

# Background

The CSS property to change the background color of an element to YUV 90.7780, -26.0196, 132.6217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 24, 38) }
```

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

```
.background{ background-color: rgb(242, 24,  
38) }
```

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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