

# Converting Colors

YUV(76.9180, -18.2006,  
144.7769)

Have a look what the booklet for  
YUV(76.9180, -18.2006, 144.7769)  
contains.

<b>YUV(76.9180, -18.2006, 144.7769)</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(76.9180, -18.2006,  
144.7769)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F20028
RGB	242, 0, 40
RGB Percent	95%, 0%, 16%
CMY	0.0510, 1.0000, 0.8431
CMYK	0.00, 1.00, 0.83, 0.05
HSL	350°, 100%, 47%
HSV	350°, 100%, 95%
XYZ	37.0010, 19.0304, 3.7306
YIQ	76.9180, 131.3920, 63.7440

# Conversions

## Conversions Part 2

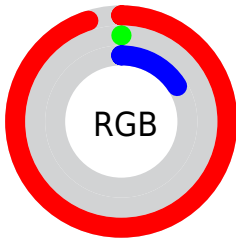
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	242, 0, 40
Decimal	15859752
CIE <sub>Lab</sub>	50.72, 77.49, 50.08
CIE <sub>LCh</sub>	51, 92.263, 32.875
Yxy	19.0304, 0.6191, 0.3184
Android (android.graphics.Color)	4294049832 (0xFFFF20028)
YUV	76.9180, -18.2006, 144.7769
Hunter-Lab	43.6239, 75.0584, 25.4665

# Details

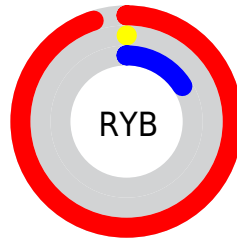
The YUV color **76.9180, -18.2006, 144.7769** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **165.0820, 18.2006, -144.7769**, and the grayscale version is **77.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **141.3410, -26.7901, 99.6789**, and **52.6240, -25.9436, 108.2008** is the 20% darker color. If you saturate the color by 10%, you get **76.9180, -18.2006, 144.7769**, and if you desaturate by 10%, it is **93.2860, -16.4100, 130.4222**.

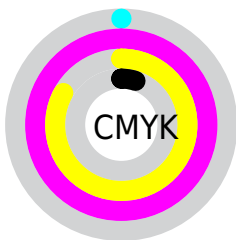
# Distribution



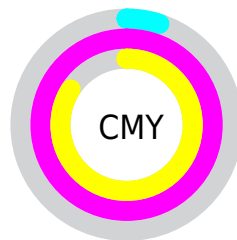
- Red (95%)
- Green (0%)
- Blue (16%)



- Red (95%)
- Yellow (0%)
- Blue (16%)



- Cyan (0%)
- Magenta (100%)
- Yellow (83%)
- Black (5%)




- Cyan (5%)
- Magenta (100%)
- Yellow (84%)


# Brightness & Saturation Gradients

These gradients show how the YUV color 76.9180, -18.2006, 144.7769 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 76.9180, -18.2006, 144.7769 by changing the saturation by 10% instead.





 76.9180, -18.2006,  
144.7769


 76.9180, -18.2006,  
144.7769


255.0000, 0.0000,  
0.0000

 64.5430, -22.9457,  
126.6888


 141.3410,  
-26.7901, 99.6789


 52.6240, -25.9436,  
108.2008


 162.3880,  
-24.8413, 81.2207


 42.7570, -21.0792,  
87.9131


 183.5490,  
-22.4557, 62.6625

 33.4170, -15.4886,  
68.0403

 204.1230,  
-19.7806, 44.6191

 24.3760, -10.0454,  
48.7822

 224.8110,  
-16.6688, 26.4758

 14.5800, -6.2019,  
29.3093

 245.6130,

 0.0000, 0.0000,

-13.1202, 8.2324

0.0000

254.2020, -3.0576,  
0.6998

76.9180, -18.2006,  
144.7769

93.2860, -16.4100,  
130.4222

109.6540,  
-14.6194, 116.0674

126.7230,  
-12.6814, 101.0979

143.0910,  
-10.8909, 86.7432

159.4590, -9.1003,  
72.3885

■ 175.8270, -7.3097,  
58.0337

■ 192.1950, -5.5191,  
43.6790

■ 209.2640, -3.5812,  
28.7095

■ 225.6320, -1.7906,  
14.3547

# Harmonies

## Analogous

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



88.3870, 14.1062, 142.6116



76.9180, -18.2006, 144.7769



110.8800, -54.6638, 79.9122

# Triad

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



76.9180, -18.2006, 144.7769



91.4360, -25.3579, -80.1894



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.



76.9180, -18.2006, 144.7769



165.0820, 18.2006, -144.7769

# 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.



115.3590, 68.8430, -101.1698



76.9180, -18.2006, 144.7769



103.1150, 11.7753, -90.4319

# Square

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



76.9180, -18.2006, 144.7769



97.1410, -47.8905, -39.5887



112.5940, 45.5562, -98.7449



119.2200, 66.9395, -3.7009



# Rectangle

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



76.9180, -18.2006, 144.7769



113.8940, -56.1497, 43.0660



112.5940, 45.5562, -98.7449



109.4890, 71.7369, -96.0219

# Sweetspot

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



76.9180, -18.2006, 144.7769



203.0920, -5.9614, 45.5233



87.9860, 75.9289, 99.9903



96.5520, -3.7231, 27.5799



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.



76.9180, -18.2006, 144.7769



81.0330, -19.2433, 152.5691



119.9050, -59.1132, 107.0773



111.8160, -0.8953, 7.1774



58.4360, -14.0189, 110.1196



17.7700, -4.3236, 33.5277



# Inverse Universe

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



76.9180, -18.2006, 144.7769



81.0330, -19.2433, 152.5691



122.0950, 59.1132, -107.0773



111.8160, -0.8953, 7.1774



58.4360, -14.0189, 110.1196



17.7700, -4.3236, 33.5277



# Previews

## White Background



This preview shows how the YUV color 76.9180, -18.2006, 144.7769 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 76.9180, -18.2006, 144.7769 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 76.9180, -18.2006, 144.7769

## Background



This preview shows how black text looks on a background with the YUV color 76.9180, -18.2006, 144.7769.



This preview shows how white text looks on a background with the YUV color 76.9180, -18.2006,



# 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

76.9180, -18.2006, 144.7769

### Protanopia

119.8620, -27.5400, 13.2760

### Deuteranopia

115.8050, -51.1759, 34.3740



## Tritanopia

84.9730, -41.8917, 136.8357

# Trichromacy



## Original Color

76.9180, -18.2006, 144.7769

## Protanomaly

104.0820, -24.1974, 61.3181

## Deuteranomaly

101.8590, -39.3705, 74.6687

## Tritanomaly

81.9870, -33.0246, 139.4544

# Monochromacy



## Original Color

76.9180, -18.2006, 144.7769

## Achromatopsia

77.0000, 0.0000, 0.0000

## Achromatomaly

77.0220, -6.4198, 52.6007

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 76.9180, -18.2006, 144.7769 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, 0, 40)` looks like.

```
.text, #text, p{  
    color:rgb(242, 0, 40)  
}
```

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, 0, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 0, 40) }
```

## Border

The CSS property to change the border of an element to YUV 76.9180, -18.2006, 144.7769 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, 0, 40) }
```



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

```
.border{ border-color:rgb(242, 0, 40) }
```

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

Here you see how a box with a 4 pixel rgb(242, 0, 40) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 0, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 0, 40);  
box-shadow:4px 4px 4px 4px rgb(242, 0, 40)  
}
```

# Background

The CSS property to change the background color of an element to YUV 76.9180, -18.2006, 144.7769 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 0, 40) }
```

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

```
.background{ background-color: rgb(242, 0,  
40) }
```

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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