

# Converting Colors

YUV(120.2020, -32.6376,  
108.5708)

Have a look what the booklet for  
YUV(120.2020, -32.6376, 108.5708)  
contains.

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# Color

**YUV(120.2020, -32.6376,  
108.5708)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F44636
RGB	244, 70, 54
RGB Percent	96%, 27%, 21%
CMY	0.0431, 0.7255, 0.7882
CMYK	0.00, 0.71, 0.78, 0.04
HSL	5°, 90%, 58%
HSV	5°, 78%, 96%
XYZ	40.1642, 23.8798, 5.9824
YIQ	120.2020, 108.8400, 31.9120

# Conversions

## Conversions Part 2

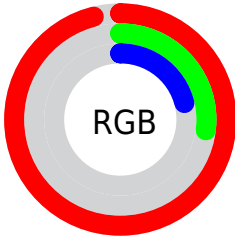
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	244, 71, 54
Decimal	16008758
CIE <sub>Lab</sub>	55.97, 65.00, 48.05
CIE <sub>LCh</sub>	56, 80.834, 36.471
Yxy	23.8798, 0.5736, 0.3410
Android (android.graphics.Color)	4294198838 (0xFFFF44636)
YUV	120.2020, -32.6376, 108.5708
Hunter-Lab	48.8669, 61.1939, 26.9484

# Details

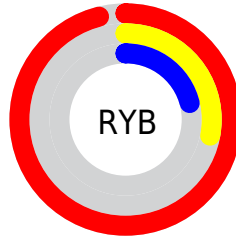
The YUV color **120.2020, -32.6376, 108.5708** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **177.7980, 32.6376, -108.5708**, and the grayscale version is **120.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **163.5960, -30.3668, 80.1613**, and **54.3190, -23.3283, 109.3452** is the 20% darker color. If you saturate the color by 10%, you get **104.5520, -36.7541, 122.2959**, and if you desaturate by 10%, it is **135.8520, -28.5210, 94.8458**.

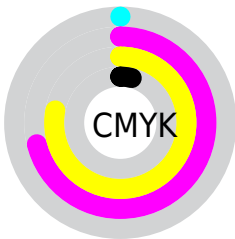
# Distribution



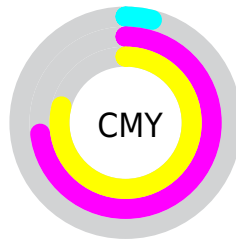
- Red (96%)
- Green (27%)
- Blue (21%)



- Red (96%)
- Yellow (28%)
- Blue (21%)



- Cyan (0%)
- Magenta (71%)
- Yellow (78%)
- Black (4%)




- Cyan (4%)
- Magenta (73%)
- Yellow (79%)


# Brightness & Saturation Gradients

These gradients show how the YUV color 120.2020, -32.6376, 108.5708 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 120.2020, -32.6376, 108.5708 by changing the saturation by 10% instead.




 120.2020,  
-32.6376, 108.5708


 120.2020,  
-32.6376, 108.5708


255.0000, 0.0000,  
0.0000


 87.7550, -27.9802,  
108.0859


 163.5960,  
-30.3668, 80.1613


 54.3190, -23.3283,  
109.3452


 183.5830,  
-27.4024, 62.6327

 43.9530, -21.6688,  
90.3722


 203.5700,  
-24.4380, 45.1041

 34.6840, -17.0992,  
71.3141

 223.6710,  
-21.0368, 27.4755

 25.5290, -12.0928,  
52.1561

 244.4730,  
-17.4882, 9.2322

 16.9720, -7.3812,  
34.2276

 253.0620, -7.4256,

 3.5880, -1.7689,

1.6996

7.3773

0.0000, 0.0000,  
0.0000

120.2020,  
-32.6376, 108.5708

120.2020,  
-32.6376, 108.5708

104.5520,  
-36.7541, 122.2959

135.8520,  
-28.5210, 94.8458

88.2010, -41.0181,  
136.6357

152.2030,  
-24.2571, 80.5060

85.2830, -42.0445,  
139.1948

167.8530,  
-20.1405, 66.7809

183.6170,  
-15.5872, 52.9559

199.8540,  
-11.7600, 38.7160

■ 215.5040, -7.6435,  
24.9910

■ 231.2680, -3.0901,  
11.1660

■ 247.5050, 0.7370,  
-3.0739

■ 251.7110, 1.6215,  
-6.7625

# Harmonies

## Analogous

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



111.2850, 5.2825, 126.0381



120.2020, -32.6376, 108.5708



125.5770, -61.9095, 70.5310

# Triad

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



120.2020, -32.6376, 108.5708



102.9430, -14.2689, -90.2810



110.6630, 71.1581, -97.0515

# Complementary

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



120.2020, -32.6376, 108.5708



177.7980, 32.6376, -108.5708

# 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.



120.6420, 66.2385, -105.8030



120.2020, -32.6376, 108.5708



113.1400, 17.1860, -99.2238

# Square

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



120.2020, -32.6376, 108.5708



111.0400, -54.7427, -35.1151



120.4190, 47.6144, -105.6075



136.0450, 55.6868, 12.2385



# Rectangle

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



120.2020, -32.6376, 108.5708



126.2540, -62.2432, 37.4882



120.4190, 47.6144, -105.6075



114.7720, 69.1324, -100.6550

# Sweetspot

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



120.2020, -32.6376, 108.5708



216.5760, -10.1440, 33.6978



130.6460, 47.9955, 99.4115



104.5250, -6.1748, 20.5876



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.



120.2020, -32.6376, 108.5708



100.6030, -40.7233, 135.4062



175.9670, -60.1297, 59.6649



114.1750, -2.0583, 6.8625



65.0060, -32.0480, 106.1117



20.5760, -10.1440, 33.6978



# Inverse Universe

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



177.7980, 32.6376, -108.5708



172.3970, 40.7233, -135.4062



122.0330, 60.1297, -59.6649



117.8250, 2.0583, -6.8625



120.9940, 32.0480, -106.1117



38.4240, 10.1440, -33.6978



# Previews

## White Background



This preview shows how the YUV color 120.2020, -32.6376, 108.5708 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 120.2020, -32.6376, 108.5708 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 120.2020, -32.6376, 108.5708 Background



This preview shows how black text looks on a background with the YUV color 120.2020, -32.6376, 108.5708.



This preview shows how white text looks on a background with the YUV color 120.2020, -32.6376, 108.5708.



# 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

120.2020, -32.6376, 108.5708

### Protanopia

131.8190, -28.9978, 14.1907

### Deuteranopia

130.3410, -44.0451, 33.9039



## Tritanopia

121.2650, -24.7806, 108.5156

# Trichromacy



## Original Color

120.2020, -32.6376, 108.5708

## Protanomaly

127.3980, -30.2692, 48.7630

## Deuteranomaly

126.6570, -39.7639, 60.8138

## Tritanomaly

121.1680, -27.6908, 108.6007

# Monochromacy



## Original Color

120.2020, -32.6376, 108.5708

## Achromatopsia

120.0000, 0.0000, 0.0000

## Achromatomaly

120.1530, -11.9074, 39.3308

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 120.2020, -32.6376, 108.5708 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(244, 70, 54)` looks like.

```
.text, #text, p{  
    color:rgb(244, 70, 54)  
}
```

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(244, 70, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 70, 54) }
```

## Border

The CSS property to change the border of an element to YUV 120.2020, -32.6376, 108.5708 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(244, 70, 54) }
```



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

```
.border{ border-color:rgb(244, 70, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 70, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 70, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 70, 54);  
box-shadow:4px 4px 4px 4px rgb(244, 70,  
54) }
```

# Background

The CSS property to change the background color of an element to YUV 120.2020, -32.6376, 108.5708 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 70, 54) }
```

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

```
.background{ background-color: rgb(244, 70,  
54) }
```

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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