

Converting Colors

YUV(87.8370, -25.5556,
123.8000)

Have a look what the booklet for
YUV(87.8370, -25.5556, 123.8000)
contains.

YUV(87.8370, -25.5556, 123.8000)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**YUV(87.8370, -25.5556,
123.8000)**

Conversions

Conversions Part 1

Format	Color
Hex	E51A24
RGB	229, 26, 36
RGB Percent	90%, 10%, 14%
CMY	0.1020, 0.8980, 0.8588
CMYK	0.00, 0.89, 0.84, 0.10
HSL	357°, 80%, 50%
HSV	357°, 89%, 90%
XYZ	33.0009, 17.5242, 3.3122
YIQ	87.8370, 117.7780, 46.1460

Conversions

Conversions Part 2

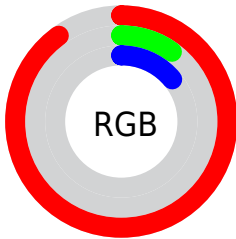
Format	Color
R _Y B	229, 26, 36
Decimal	15014436
CIE Lab	48.91, 71.62, 49.49
CIE LCh	49, 87.057, 34.642
Yxy	17.5242, 0.6130, 0.3255
Android (android.graphics.Color)	4293204516 (0xFFE51A24)
YUV	87.8370, -25.5556, 123.8000
Hunter-Lab	41.8619, 67.4584, 24.6121

Details

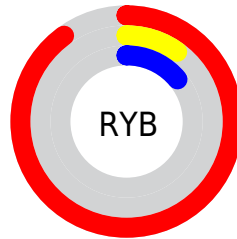
The YUV color **87.8370, -25.5556, 123.8000** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **167.1630, 25.5556, -123.8000**, and the grayscale version is **88.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **143.2330, -29.6949, 98.0197**, and **49.0360, -24.1747, 100.8234** is the 20% darker color. If you saturate the color by 10%, you get **71.8280, -28.5092, 137.8398**, and if you desaturate by 10%, it is **103.8460, -22.6021, 109.7601**.

Distribution



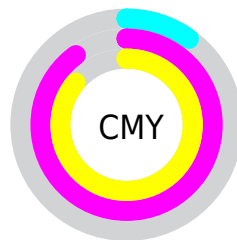
- Red (90%)
- Green (10%)
- Blue (14%)



- Red (90%)
- Yellow (10%)
- Blue (14%)



- Cyan (0%)
- Magenta (89%)
- Yellow (84%)
- Black (10%)





- Cyan (10%)
- Magenta (90%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the YUV color 87.8370, -25.5556, 123.8000 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 87.8370, -25.5556, 123.8000 by changing the saturation by 10% instead.


 87.8370, -25.5556,
123.8000


 87.8370, -25.5556,
123.8000


255.0000, 0.0000,
0.0000


 60.0860, -23.2134,
119.1966


 143.2330,
-29.6949, 98.0197

 49.0360, -24.1747,
100.8234


 163.6930,
-27.4566, 80.0762

 39.1690, -19.3103,
80.5358


 184.1530,
-25.2184, 62.1328

 30.0140, -14.3039,
61.3777

 204.2540,
-21.8172, 44.5042

 21.3860, -8.5713,
42.6345

 224.9420,
-18.7054, 26.3609

 11.1770, -5.0173,
22.6468

 245.7440,

 0.0000, 0.0000,

-15.1568, 8.1175

0.0000

253.7460, -4.8048,
1.0998

87.8370, -25.5556,
123.8000

87.8370, -25.5556,
123.8000

71.8280, -28.5092,
137.8398

103.8460,
-22.6021, 109.7601

69.7250, -28.9514,
139.6842

119.8550,
-19.6485, 95.7202

135.7500,
-17.1318, 81.7802

151.7590,
-14.1782, 67.7404

167.1810,
-10.9352, 54.2153

■ 183.1900, -7.9817,
40.1754

■ 199.0850, -5.4649,
26.2355

■ 215.0940, -2.5113,
12.1956

■ 231.1030, 0.4422,
-1.8443

Harmonies

Analogous

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



83.7730, 11.9439, 136.1341



87.8370, -25.5556, 123.8000



107.2920, -52.8950, 72.5349

Triad

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



87.8370, -25.5556, 123.8000



88.5980, -21.0008, -77.7004



101.2710, 75.7884, -88.8147

Complementary

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



87.8370, -25.5556, 123.8000



167.1630, 25.5556, -123.8000

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.



110.7940, 69.1216, -97.1663



87.8370, -25.5556, 123.8000



99.4790, 13.0749, -87.2431

Square

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



87.8370, -25.5556, 123.8000



92.4120, -45.5591, -40.7033



108.3880, 44.6717, -95.0563



115.7820, 61.2395, 4.5762

Rectangle

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



87.8370, -25.5556, 123.8000



109.7300, -54.0969, 37.9478



108.3880, 44.6717, -95.0563



105.9670, 73.4733, -92.9331

Sweetspot

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



87.8370, -25.5556, 123.8000



207.0870, -8.4239, 42.0197



106.8490, 60.2204, 98.3564



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.



87.8370, -25.5556, 123.8000



77.7270, -31.9104, 155.4684



140.1140, -56.2582, 77.9530



106.7020, -1.3321, 7.2773



54.5470, -22.4547, 109.1453



15.5910, -6.2074, 31.0537

Inverse Universe

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



87.8370, -25.5556, 123.8000



77.7270, -31.9104, 155.4684



114.8860, 56.2582, -77.9530



106.7020, -1.3321, 7.2773



54.5470, -22.4547, 109.1453



15.5910, -6.2074, 31.0537

Previews

White Background



This preview shows how the YUV color 87.8370, -25.5556, 123.8000 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 87.8370, -25.5556, 123.8000 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 87.8370, -25.5556, 123.8000

Background



This preview shows how black text looks on a background with the YUV color 87.8370, -25.5556, 123.8000.



This preview shows how white text looks on a background with the YUV color 87.8370, -25.5556,

123.8000.

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

87.8370, -25.5556, 123.8000

Protanopia

114.0470, -28.1242, 13.9908

Deuteranopia

109.4090, -53.9386, 33.8443



Tritanopia

87.5290, -31.8128, 124.0701

Trichromacy



Original Color

87.8370, -25.5556, 123.8000

Protanomaly

104.5280, -27.3753, 53.9109

Deuteranomaly

101.3650, -43.5639, 66.3319

Tritanomaly

87.5120, -29.3394, 124.0850

Monochromacy



Original Color

87.8370, -25.5556, 123.8000

Achromatopsia

88.0000, 0.0000, 0.0000

Achromatomaly

87.5820, -9.1609, 45.0936

CSS Examples

Text

The CSS property to change the color of the text to YUV 87.8370, -25.5556, 123.8000 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(229, 26, 36)` looks like.

```
.text, #text, p{  
    color:rgb(229, 26, 36)  
}
```

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(229, 26, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 26, 36) }
```

Border

The CSS property to change the border of an element to YUV 87.8370, -25.5556, 123.8000 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(229, 26, 36) }
```


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

```
.border{ border-color:rgb(229, 26, 36) }
```

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

Here you see how a box with a 4 pixel rgb(229, 26, 36) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 26, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 26, 36);  
box-shadow:4px 4px 4px 4px rgb(229, 26,  
36) }
```

Background

The CSS property to change the background color of an element to YUV 87.8370, -25.5556, 123.8000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 26, 36) }
```

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

```
.background{ background-color: rgb(229, 26,  
36) }
```

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