

Converting Colors

YUV(68.1870, -29.6722,
137.5250)

Have a look what the booklet for
YUV(68.1870, -29.6722, 137.5250)
contains.

YUV(68.1870, -29.6722, 137.5250)	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(68.1870, -29.6722,
137.5250)**

Conversions

Conversions Part 1

Format	Color
Hex	E10008
RGB	225, 0, 8
RGB Percent	88%, 0%, 3%
CMY	0.1176, 1.0000, 0.9686
CMYK	0.00, 1.00, 0.96, 0.12
HSL	358°, 100%, 44%
HSV	358°, 100%, 88%
XYZ	31.0952, 16.0251, 1.6840
YIQ	68.1870, 131.5320, 50.1880

Conversions

Conversions Part 2

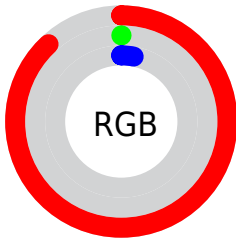
Format	Color
RYB	225, 0, 8
Decimal	14745608
CIELab	47.01, 72.94, 58.80
CIElCh	47, 93.693, 38.875
Yxy	16.0251, 0.6371, 0.3284
Android (android.graphics.Color)	4292935688 (0xFFE10008)
YUV	68.1870, -29.6722, 137.5250
Hunter-Lab	40.0313, 68.5987, 25.5278

Details

The YUV color **68.1870, -29.6722, 137.5250** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **156.8130, 29.6722, -137.5250**, and the grayscale version is **68.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **135.9150, -37.4261, 104.4375**, and **47.5410, -23.4377, 97.7495** is the 20% darker color. If you saturate the color by 10%, you get **68.1870, -29.6722, 137.5250**, and if you desaturate by 10%, it is **83.6090, -26.4292, 123.9999**.

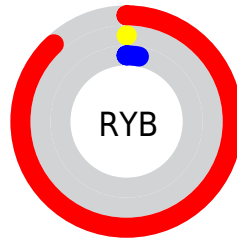
Distribution



Red (88%)

Green (0%)

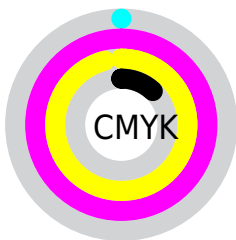
Blue (3%)



Red (88%)

Yellow (0%)

Blue (3%)

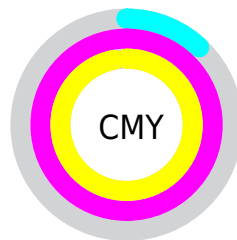


Cyan (0%)

Magenta (100%)

Yellow (96%)

Black (12%)



Cyan (12%)


Magenta (100%)


Yellow (97%)


Brightness & Saturation Gradients

These gradients show how the YUV color 68.1870, -29.6722, 137.5250 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 68.1870, -29.6722, 137.5250 by changing the saturation by 10% instead.


 68.1870, -29.6722,
137.5250

 68.1870, -29.6722,
137.5250


 254.2020, -3.0576,
0.6998

 57.4080, -28.3021,
118.0372


 135.9150,
-37.4261, 104.4375

 47.5410, -23.4377,
97.7495


 156.3750,
-35.1879, 86.4941


 37.6740, -18.5733,
77.4619


 176.8350,
-32.9497, 68.5507

 28.6330, -13.1301,
58.2039

 197.4090,
-30.2746, 50.5073

 19.7770, -8.2711,
39.6606

 217.5100,
-26.8734, 32.8787

 9.3830, -4.1328,
18.9581


 238.8990,


 0.0000, 0.0000,


-23.6142, 14.1206


0.0000

 250.8960,
-15.7247, 3.5992

 68.1870, -29.6722,
137.5250

 83.6090, -26.4292,
123.9999

 99.5040, -23.9125,
110.0600

 115.5130,
-20.9589, 96.0201

 130.9350,
-17.7160, 82.4950

 146.9440,
-14.7624, 68.4551

■ 162.2520,
-11.9562, 55.0300

■ 177.6740, -8.7133,
41.5049

■ 193.6830, -5.7597,
27.4650

■ 209.5780, -3.2430,
13.5251

Harmonies

Analogous

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



82.8460, 4.5129, 139.5781



68.1870, -29.6722, 137.5250



103.7150, -51.1315, 66.9019

Triad

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



68.1870, -29.6722, 137.5250



87.1790, -18.8222, -76.4560



97.1620, 77.8141, -85.2111

Complementary

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



68.1870, -29.6722, 137.5250



156.8130, 29.6722, -137.5250

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.



108.3150, 72.3157, -94.9923



68.1870, -29.6722, 137.5250



98.6300, 17.4374, -86.4985

Square

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



68.1870, -29.6722, 137.5250



77.4840, -38.1996, -67.9535



107.2940, 50.6341, -94.0968



110.2230, 62.5011, 19.9754

Rectangle

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



68.1870, -29.6722, 137.5250



104.9570, -51.7438, 29.8557



107.2940, 50.6341, -94.0968



101.8580, 75.4990, -89.3295

Sweetspot

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



68.1870, -29.6722, 137.5250



201.9520, -10.3293, 46.5231



89.6360, 66.7345, 109.0672



95.8680, -6.3439, 28.1798



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.



68.1870, -29.6722, 137.5250



77.2710, -33.6576, 155.8683



126.5620, -62.3951, 86.3301



104.2890, -1.6215, 6.7625



53.3080, -23.3228, 107.6009



14.5800, -6.2019, 29.3093

Inverse Universe

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



68.1870, -29.6722, 137.5250



77.2710, -33.6576, 155.8683



98.4380, 62.3951, -86.3301



104.2890, -1.6215, 6.7625



53.3080, -23.3228, 107.6009



14.5800, -6.2019, 29.3093

Previews

White Background



This preview shows how the YUV color 68.1870, -29.6722, 137.5250 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



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

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

YUV 68.1870, -29.6722, 137.5250

Background



This preview shows how black text looks on a background with the YUV color 68.1870, -29.6722, 137.5250.



This preview shows how white text looks on a background with the YUV color 68.1870, -29.6722,

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

68.1870, -29.6722, 137.5250

Protanopia

108.4250, -38.1705, 16.2903

Deuteranopia

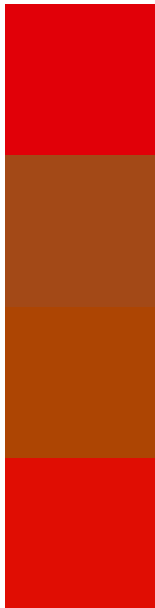
106.1530, -52.3334, 32.3148



Tritanopia

79.0040, -38.9490, 126.2845

Trichromacy



Original Color

68.1870, -29.6722, 137.5250

Protanomaly

94.2100, -35.1065, 60.3288

Deuteranomaly

92.5720, -44.1590, 70.5354

Tritanomaly

74.9490, -35.4709, 130.7177

Monochromacy



Original Color

68.1870, -29.6722, 137.5250

Achromatopsia

68.0000, 0.0000, 0.0000

Achromatomaly

67.8600, -10.7770, 50.1118

CSS Examples

Text

The CSS property to change the color of the text to YUV 68.1870, -29.6722, 137.5250 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(225, 0, 8)` looks like.

```
.text, #text, p{  
    color:rgb(225, 0, 8)  
}
```

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(225, 0, 8) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 0, 8) }
```

Border

The CSS property to change the border of an element to YUV 68.1870, -29.6722, 137.5250 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(225, 0, 8) }
```


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

```
.border{ border-color:rgb(225, 0, 8) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 0, 8)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 0, 8); -webkit-box-shadow:4px  
4px 4px 4px rgb(225, 0, 8); box-shadow:4px  
4px 4px 4px rgb(225, 0, 8) }
```

Background

The CSS property to change the background color of an element to YUV 68.1870, -29.6722, 137.5250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 0, 8) }
```

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

```
.background{ background-color: rgb(225, 0,  
8) }
```

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