

Converting Colors

YUV(45.7290, -12.1914,
37.0717)

Have a look what the booklet for
YUV(45.7290, -12.1914, 37.0717)
contains.

YUV(45.7290, -12.1914, 37.0717)	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(45.7290, -12.1914,
37.0717)**

Conversions

Conversions Part 1

Format	Color
Hex	581D15
RGB	88, 29, 21
RGB Percent	35%, 11%, 8%
CMY	0.6549, 0.8863, 0.9176
CMYK	0.00, 0.67, 0.76, 0.65
HSL	7°, 61%, 21%
HSV	7°, 76%, 35%
XYZ	4.5992, 3.0076, 1.0476
YIQ	45.7290, 37.7320, 10.0200

Conversions

Conversions Part 2

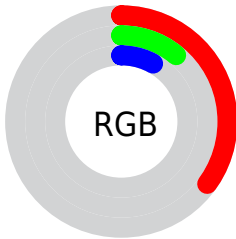
Format	Color
R_{YB}	88, 30, 21
Decimal	5774613
CIE _{Lab}	20.07, 26.71, 19.66
CIE _{LCh}	20, 33.164, 36.355
Yxy	3.0076, 0.5314, 0.3475
Android (android.graphics.Color)	4283964693 (0xFF581D15)
YUV	45.7290, -12.1914, 37.0717
Hunter-Lab	17.3424, 16.9893, 8.5582

Details

The YUV color **45.7290, -12.1914, 37.0717** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **63.2710, 12.1914, -37.0717**, and the grayscale version is **46.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **94.3660, -14.9704, 41.7750**, and **12.0740, -5.4595, 24.4911** is the 20% darker color. If you saturate the color by 10%, you get **40.0070, -13.8075, 42.0899**, and if you desaturate by 10%, it is **51.4510, -10.5753, 32.0535**.

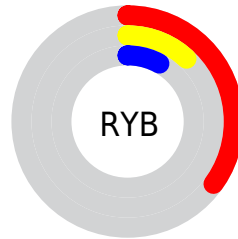
Distribution



Red (35%)

Green (11%)

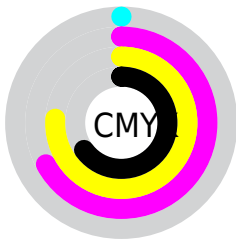
Blue (8%)



Red (35%)

Yellow (12%)

Blue (8%)

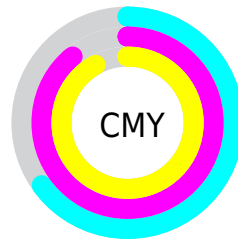


Cyan (0%)

Magenta (67%)

Yellow (76%)

Black (65%)



Cyan (65%)

Magenta (89%)

Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the YUV color 45.7290, -12.1914, 37.0717 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 45.7290, -12.1914, 37.0717 by changing the saturation by 10% instead.

45.7290, -12.1914,
37.0717

45.7290, -12.1914,
37.0717

254.0880, -3.4944,
0.7998

21.4730, -10.5862,
35.5422

94.3660, -14.9704,
41.7750

12.0740, -5.4595,
24.4911

119.4480,
-15.9969, 44.3341

0.0000, 0.0000,
0.0000


146.2310,
-16.8759, 46.2784


173.0140,
-17.7549, 48.2227


199.9000,
-18.1917, 48.3227


219.4140,


-14.5011, 31.2089


 239.0420,
-10.3737, 13.9952


 45.7290, -12.1914,
37.0717


 45.7290, -12.1914,
37.0717


 40.0070, -13.8075,
42.0899


 51.4510, -10.5753,
32.0535


 34.8720, -15.7129,
46.5933

 56.5860, -8.6699,
27.5501

 32.7690, -16.1551,
48.4376

 62.1940, -7.4906,
22.6319

 67.9160, -5.8746,
17.6137

 73.6380, -4.2585,
12.5955

■ 78.7730, -2.3531,
8.0921

■ 84.4950, -0.7370,
3.0739

■ 90.1030, 0.4422,
-1.8443

■ 95.8250, 2.0583,
-6.8625

Harmonies

Analogous

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



45.1390, -0.5615, 40.2201



45.7290, -12.1914, 37.0717



45.9050, -22.6312, 25.5163

Triad

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



45.7290, -12.1914, 37.0717



37.2380, -4.5543, -32.6577



40.4080, 27.8999, -35.4378

Complementary

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



45.7290, -12.1914, 37.0717



63.2710, 12.1914, -37.0717

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.



43.4740, 24.4163, -38.1267



45.7290, -12.1914, 37.0717



41.2620, 5.7868, -36.1868

Square

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



45.7290, -12.1914, 37.0717



41.5970, -19.0283, -10.1706



43.4110, 16.5594, -38.0714



49.9570, 18.7552, 4.4227

Rectangle

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



45.7290, -12.1914, 37.0717



45.8390, -22.5986, 15.0502



43.4110, 16.5594, -38.0714



41.5820, 27.3211, -36.4674

Sweetspot

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



45.7290, -12.1914, 37.0717



98.4210, -5.1376, 14.5398



47.7590, 15.8948, 35.2914



48.2570, -3.0847, 9.4216



186.0000, 0.0000, 0.0000



59.0000, 0.0000, 0.0000

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



45.7290, -12.1914, 37.0717



49.0260, -19.2398, 57.8592



65.1000, -21.7413, 20.0833



40.7830, -0.8790, 1.9443



39.6240, -19.5346, 59.0888



86.7010, -42.7436, 130.0582

Inverse Universe

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



63.2710, 12.1914, -37.0717



75.9740, 19.2398, -57.8592



43.9000, 21.7413, -20.0833



41.8040, 0.5896, -2.4591



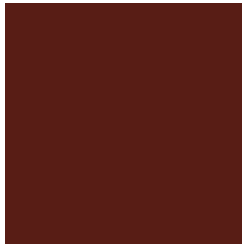
67.3760, 19.5346, -59.0888



148.2990, 42.7436, -130.0582

Previews

White Background



This preview shows how the YUV color 45.7290, -12.1914, 37.0717 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 ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

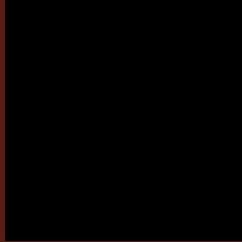
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YUV 45.7290, -12.1914, 37.0717

Background



This preview shows how black text looks on a background with the YUV color 45.7290, -12.1914, 37.0717.

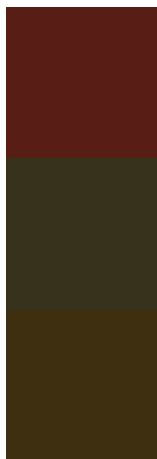


This preview shows how white text looks on a background with the YUV color 45.7290, -12.1914,

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

45.7290, -12.1914, 37.0717

Protanopia

48.8730, -10.7834, 5.3734

Deuteranopia

48.0650, -15.3150, 12.2210



Tritanopia

46.0540, -8.4076, 36.7866

Trichromacy



Original Color

45.7290, -12.1914, 37.0717

Protanomaly

47.5370, -11.1107, 17.0691

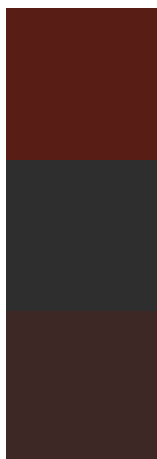
Deuteranomaly

46.7610, -14.1792, 21.2576

Tritanomaly

45.7120, -9.7180, 37.0866

Monochromacy



Original Color

45.7290, -12.1914, 37.0717

Achromatopsia

46.0000, 0.0000, 0.0000

Achromatomaly

45.9370, -4.4059, 13.2103

CSS Examples

Text

The CSS property to change the color of the text to YUV 45.7290, -12.1914, 37.0717 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(88, 29, 21)` looks like.

```
.text, #text, p{  
    color:rgb(88, 29, 21)  
}
```

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(88, 29, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 29, 21) }
```

Border

The CSS property to change the border of an element to YUV 45.7290, -12.1914, 37.0717 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(88, 29, 21) }
```


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

```
.border{ border-color:rgb(88, 29, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 29, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 29, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 29, 21);  
box-shadow:4px 4px 4px 4px rgb(88, 29, 21)  
}
```

Background

The CSS property to change the background color of an element to YUV 45.7290, -12.1914, 37.0717 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 29, 21) }
```

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

```
.background{ background-color: rgb(88, 29,  
21) }
```

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