

# Converting Colors

YIQ(120.9330, 44.5240,  
-24.9800)

Have a look what the booklet for  
YIQ(120.9330, 44.5240, -24.9800)  
contains.

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# Color

**YIQ(120.9330, 44.5240,  
-24.9800)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	947D1D
RGB	148, 125, 29
RGB Percent	58%, 49%, 11%
CMY	0.4196, 0.5098, 0.8860
CMYK	0.00, 0.16, 0.80, 0.42
HSL	48°, 67%, 35%
HSV	48°, 80%, 58%
XYZ	19.7674, 21.0495, 4.1877
YIQ	120.9330, 44.5240, -24.9800

# Conversions

## Conversions Part 2

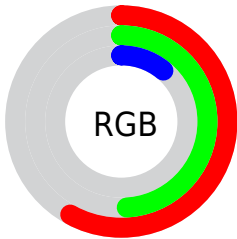
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	58, 148, 29
Decimal	9731357
CIE Lab	53.00, -1.19, 51.46
CIE LCh	53, 51.476, 91.326
Yxy	21.0495, 0.4392, 0.4677
Android (android.graphics.Color)	4287921437 (0xFF947D1D)
YUV	120.9330, -45.3230, 23.7378
Hunter-Lab	45.8798, -3.3823, 26.7042

# Details

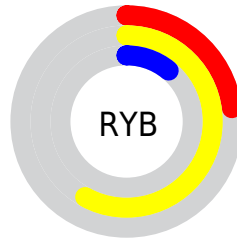
The YIQ color **120.9330, 44.5240, -24.9800** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **56.0670, -44.5240, 24.9800**, and the grayscale version is **121.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **174.5420, 47.1830, -23.6090**, and **73.0060, 34.2530, -20.5550** is the 20% darker color. If you saturate the color by 10%, you get **117.4620, 50.1640, -28.0760**, and if you desaturate by 10%, it is **124.4040, 38.8840, -21.8840**.

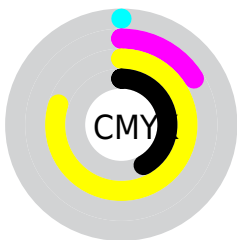
# Distribution



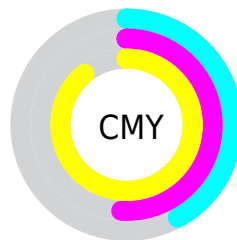
- Red (58%)
- Green (49%)
- Blue (11%)



- Red (23%)
- Yellow (58%)
- Blue (11%)



- Cyan (0%)
- Magenta (16%)
- Yellow (80%)
- Black (42%)



- Cyan (42%)
- Magenta (51%)
- Yellow (89%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 120.9330, 44.5240, -24.9800 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 YIQ color 120.9330, 44.5240, -24.9800 by changing the saturation by 10% instead.



■ 120.9330, 44.5240,  
-24.9800

■ 120.9330, 44.5240,  
-24.9800

■ 255.0000, -0.0000,  
-0.0000

■ 94.5800, 44.0200,  
-26.8600

■ 174.5420, 47.1830,  
-23.6090

■ 73.0060, 34.2530,  
-20.5550

■ 202.9120, 49.0170,  
-23.8070

■ 51.7310, 25.0820,  
-14.0380

■ 228.2920, 44.8910,  
-26.1250

■ 31.9290, 15.9570,  
-8.3550

■ 244.3980, 29.8530,  
-28.9230

■ 10.3440, 4.7230,  
-2.9970

■ 247.4760, 21.1860,  
-20.5260

■ 0.0000, 0.0000,  
0.0000

■ 250.7820, 11.8770,

-11.5070

254.0880, 2.5680,  
-2.4880

120.9330, 44.5240,  
-24.9800

120.9330, 44.5240,  
-24.9800

117.4620, 50.1640,  
-28.0760

124.4040, 38.8840,  
-21.8840

114.1050, 55.4830,  
-30.8610

127.8750, 33.2440,  
-18.7880

131.2320, 27.9250,  
-16.0030

134.1160, 22.5600,  
-12.3840

137.5870, 16.9200,  
-9.2880

■ 141.0580, 11.2800,  
-6.1920

■ 144.5290, 5.6400,  
-3.0960

■ 147.8860, 0.3210,  
-0.3110

■ 151.3570, -5.3190,  
2.7850

# Harmonies

## Analogous

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



123.5850, 63.9600, -2.7600



120.9330, 44.5240, -24.9800



116.3460, 9.2680, -35.8200

# Triad

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



120.9330, 44.5240, -24.9800



105.7830, -95.3160, -23.7000



129.5630, 27.7770, 41.7690

# Complementary

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



120.9330, 44.5240, -24.9800



56.0670, -44.5240, 24.9800

# 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.



128.8160, -18.7120, 30.7600



120.9330, 44.5240, -24.9800



106.6100, -104.5340, -10.8220

# Square

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



120.9330, 44.5240, -24.9800



101.3540, -81.4670, -37.9070



101.4070, -105.0400, -1.6480



125.5540, 58.3590, 38.1910



# Rectangle

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



120.9330, 44.5240, -24.9800



110.8290, -23.0090, -40.0730



101.4070, -105.0400, -1.6480



130.2670, 13.9310, 39.3950

# Sweetspot

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



120.9330, 44.5240, -24.9800



180.4730, 17.2410, -9.5990



67.3170, 63.2200, 32.6920



90.2860, 10.6380, -5.5700



224.0000, -0.0000, 0.0000



97.0000, -0.0000, 0.0000



# Same Dimension

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



120.9330, 44.5240, -24.9800



149.5930, 68.3680, -38.6080



123.6700, 16.7430, -44.6410



72.6150, 2.5220, -1.6540



106.4190, 51.7230, -28.7970



7.6860, 3.7600, -2.0640



# Inverse Universe

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



56.0670, -44.5240, 24.9800



49.4070, -68.3680, 38.6080



53.3300, -16.7430, 44.6410



68.3850, -2.5220, 1.6540



31.5810, -51.7230, 28.7970



2.3140, -3.7600, 2.0640



# Previews

## White Background



This preview shows how the YIQ color 120.9330, 44.5240, -24.9800 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 YIQ color 120.9330, 44.5240, -24.9800 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](#).

# YIQ 120.9330, 44.5240, -24.9800

## Background



This preview shows how black text looks on a background with the YIQ color 120.9330, 44.5240, -24.9800.



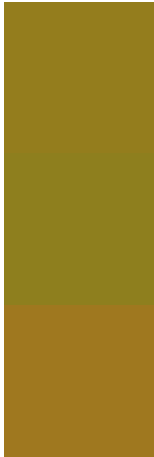
This preview shows how white text looks on a background with the YIQ color 120.9330, 44.5240,

-24.9800.

# 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

120.9330, 44.5240, -24.9800

### Protanopia

120.4270, 40.0770, -26.9870

### Deuteranopia

121.5150, 51.8130, -19.4110



## Tritanopia

128.6870, 20.3550, 11.0670

# Trichromacy



## Original Color

120.9330, 44.5240, -24.9800

## Protanomaly

120.4380, 41.5440, -26.0400

## Deuteranomaly

121.3790, 49.2000, -21.6160

## Tritanomaly

125.5610, 28.9770, -2.0230

# Monochromacy



## Original Color

120.9330, 44.5240, -24.9800

## Achromatopsia

121.0000, -0.0000, 0.0000

## Achromatomaly

120.8150, 16.2780, -8.6660

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 120.9330, 44.5240, -24.9800 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(148, 125, 29)` looks like.

```
.text, #text, p{  
    color:rgb(148, 125, 29)  
}
```

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(148, 125, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 125, 29) }
```

## Border

The CSS property to change the border of an element to YIQ 120.9330, 44.5240, -24.9800 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(148, 125, 29) }
```



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

```
.border{ border-color:rgb(148, 125, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 125, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 125, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 125, 29);  
box-shadow:4px 4px 4px 4px rgb(148, 125,  
29) }
```

# Background

The CSS property to change the background color of an element to YIQ 120.9330, 44.5240, -24.9800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 125, 29) }
```

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

```
.background{ background-color: rgb(148,  
125, 29) }
```

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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