

# Converting Colors

YIQ(128.3530, 78.4520,  
-23.1160)

Have a look what the booklet for  
YIQ(128.3530, 78.4520, -23.1160)  
contains.

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# Color

**YIQ(128.3530, 78.4520,  
-23.1160)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BD7A02
RGB	189, 122, 2
RGB Percent	74%, 48%, 1%
CMY	0.2587, 0.5217, 0.9917
CMYK	0.00, 0.35, 0.99, 0.26
HSL	38°, 98%, 37%
HSV	38°, 99%, 74%
XYZ	27.9592, 24.7383, 3.3617
YIQ	128.3530, 78.4520, -23.1160

# Conversions

## Conversions Part 2

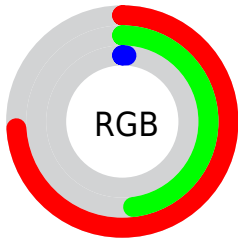
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">106, 189, 2</a>
Decimal	<a href="#">12417538</a>
CIELab	<a href="#">56.82, 18.65, 62.81</a>
CIElCh	<a href="#">57, 65.519, 73.459</a>
Yxy	<a href="#">24.7383, 0.4987, 0.4413</a>
Android (android.graphics.Color)	<a href="#">4290607618</a> ( <a href="#">0xFFBD7A02</a> )
YUV	<a href="#">128.3530, -62.2920, 53.1874</a>
Hunter-Lab	<a href="#">49.7376, 13.3002, 30.8089</a>

# Details

The YIQ color **128.3530, 78.4520, -23.1160** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **62.6470, -78.4520, 23.1160**, and the grayscale version is **129.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **184.7540, 79.0010, -16.5430**, and **81.7210, 57.4050, -10.6190** is the 20% darker color. If you saturate the color by 10%, you get **127.5380, 79.3690, -23.2150**, and if you desaturate by 10%, it is **134.6280, 70.4280, -20.8680**.

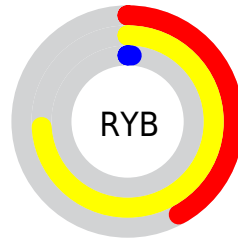
# Distribution



Red (74%)

Green (48%)

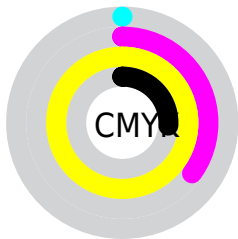
Blue (1%)



Red (42%)

Yellow (74%)

Blue (1%)

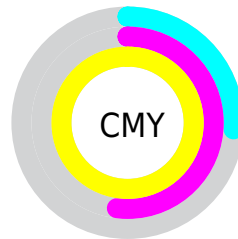


Cyan (0%)

Magenta (35%)

Yellow (99%)

Black (26%)



Cyan (26%)

Magenta (52%)

Yellow (99%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 128.3530, 78.4520, -23.1160 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 128.3530, 78.4520, -23.1160 by changing the saturation by 10% instead.



128.3530, 78.4520,  
-23.1160

128.3530, 78.4520,  
-23.1160

255.0000, -0.0000,  
-0.0000

104.4800, 68.0890,  
-17.0230

184.7540, 79.0010,  
-16.5430

81.7210, 57.4050,  
-10.6190

205.6490, 65.9350,  
-22.0410

60.1360, 46.1710,  
-5.2610

225.1630, 49.5680,  
-28.2880

38.8500, 35.5330,  
0.3090

243.0300, 33.7050,  
-32.6550

18.7490, 25.8120,  
5.7800

246.1080, 25.0380,  
-24.2580

3.8870, 7.7480,  
2.7560

249.4140, 15.7290,

0.0000, 0.0000,

-15.2390

0.0000

■ 252.7200, 6.4200,  
-6.2200

■ 128.3530, 78.4520,  
-23.1160

■ 128.3530, 78.4520,  
-23.1160

■ 127.5380, 79.3690,  
-23.2150

■ 134.6280, 70.4280,  
-20.8680

■ 140.9030, 62.4040,  
-18.6200

■ 146.5910, 54.6550,  
-15.8490

■ 152.8660, 46.6310,  
-13.6010

■ 159.1410, 38.6070,  
-11.3530

■ 165.4160, 30.5830,  
-9.1050

■ 170.9900, 23.1550,  
-6.6450

■ 177.2650, 15.1310,  
-4.3970

■ 183.5400, 7.1070,  
-2.1490

# Harmonies

## Analogous

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



130.7550, 87.5690, 15.4170



128.3530, 78.4520, -23.1160



124.9150, 43.7940, -44.7980

# Triad

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



128.3530, 78.4520, -23.1160



114.0350, -96.5060, -35.1780



140.1920, 1.3210, 47.6650

# Complementary

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



128.3530, 78.4520, -23.1160



62.6470, -78.4520, 23.1160

# 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.



123.3750, -83.6780, 18.7060



128.3530, 78.4520, -23.1160



118.3160, -112.6940, -17.1260

# Square

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



128.3530, 78.4520, -23.1160



106.1350, -77.0170, -52.4810



117.2680, -120.7660, -2.9900



134.4790, 54.9170, 56.5250



# Rectangle

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



128.3530, 78.4520, -23.1160



121.0880, 9.4540, -50.2100



117.2680, -120.7660, -2.9900



138.7700, -21.0980, 40.9660

# Sweetspot

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



128.3530, 78.4520, -23.1160



220.7150, 31.1790, -8.8930



65.7790, 89.3030, 61.1030



108.1790, 18.2490, -5.8390



250.0000, 0.0000, 0.0000



122.0000, 0.0000, -0.0000



# Same Dimension

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



128.3530, 78.4520, -23.1160



165.4140, 102.8450, -30.1710



160.2070, 45.1270, -63.4570



91.2130, 3.7140, -1.2300



106.5290, 66.3930, -19.3270



21.0090, 12.9760, -3.8880



# Inverse Universe

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



62.6470, -78.4520, 23.1160



79.5860, -102.8450, 30.1710



30.7930, -45.1270, 63.4570



87.7870, -3.7140, 1.2300



51.4710, -66.3930, 19.3270



9.9910, -12.9760, 3.8880



# Previews

## White Background



This preview shows how the YIQ color 128.3530, 78.4520, -23.1160 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 128.3530, 78.4520, -23.1160 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 128.3530, 78.4520, -23.1160

## Background



This preview shows how black text looks on a background with the YIQ color 128.3530, 78.4520, -23.1160.



This preview shows how white text looks on a background with the YIQ color 128.3530, 78.4520, -23.1160.

-23.1160.

# 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

128.3530, 78.4520, -23.1160

### Protanopia

127.9470, 49.9360, -34.9600

### Deuteranopia

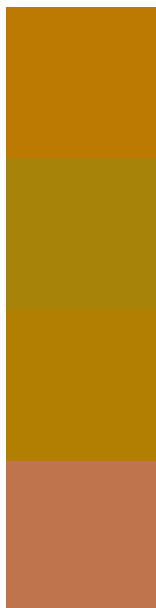
128.0370, 67.3580, -31.3140



## Tritanopia

138.2450, 45.3870, 19.9710

# Trichromacy



## Original Color

128.3530, 78.4520, -23.1160

## Protanomaly

128.4430, 60.3430, -30.8330

## Deuteranomaly

128.1840, 71.4380, -28.1620

## Tritanomaly

134.3920, 57.4940, 4.2940

# Monochromacy



## Original Color

128.3530, 78.4520, -23.1160

## Achromatopsia

128.0000, -0.0000, -0.0000

## Achromatomaly

128.1600, 28.4280, -8.5960

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 128.3530, 78.4520, -23.1160 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(189, 122, 2)` looks like.

```
.text, #text, p{  
    color:rgb(189, 122, 2)  
}
```

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(189, 122, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 122, 2) }
```

## Border

The CSS property to change the border of an element to YIQ 128.3530, 78.4520, -23.1160 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(189, 122, 2) }
```



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

```
.border{ border-color:rgb(189, 122, 2) }
```

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

Here you see how a box with a 4 pixel rgb(189, 122, 2) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 122, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 122, 2);  
box-shadow:4px 4px 4px 4px rgb(189, 122,  
2) }
```

# Background

The CSS property to change the background color of an element to YIQ 128.3530, 78.4520, -23.1160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 122, 2) }
```

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

```
.background{ background-color: rgb(189,  
122, 2) }
```

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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