

# Converting Colors

YIQ(101.2030, 71.5680, 13.5520)

Have a look what the booklet for  
YIQ(101.2030, 71.5680, 13.5520)  
contains.

<b>YIQ(101.2030, 71.5680, 13.5520)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YIQ(101.2030, 71.5680,  
13.5520)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B2492D
RGB	178, 73, 45
RGB Percent	70%, 29%, 18%
CMY	0.3017, 0.7139, 0.8232
CMYK	0.00, 0.59, 0.75, 0.30
HSL	13°, 60%, 44%
HSV	13°, 75%, 70%
XYZ	21.2285, 14.4213, 4.1552
YIQ	101.2030, 71.5680, 13.5520

# Conversions

## Conversions Part 2

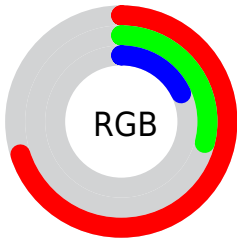
Format	Color
R <sub>Y</sub> B	178, 80, 45
Decimal	11684141
CIE Lab	44.83, 41.16, 37.55
CIE LCh	45, 55.713, 42.371
Yxy	14.4213, 0.5333, 0.3623
Android (android.graphics.Color)	4289874221 (0xFFB2492D)
YUV	101.2030, -27.7081, 67.3510
Hunter-Lab	37.9754, 33.3256, 20.0954

# Details

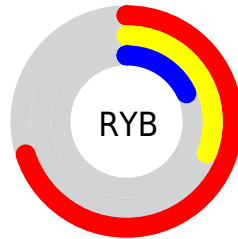
The YIQ color **101.2030, 71.5680, 13.5520** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **121.7970, -71.5680, -13.5520**, and the grayscale version is **101.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **155.3240, 78.5370, 13.9050**, and **46.7340, 65.6990, 15.2910** is the 20% darker color. If you saturate the color by 10%, you get **90.9330, 81.1960, 15.2760**, and if you desaturate by 10%, it is **111.4730, 61.9400, 11.8280**.

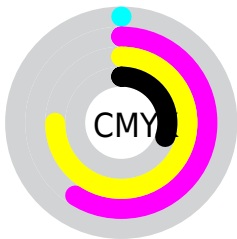
# Distribution



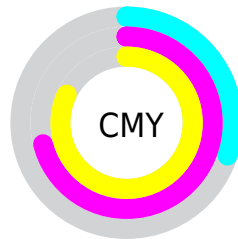
- Red (70%)
- Green (29%)
- Blue (18%)



- Red (70%)
- Yellow (31%)
- Blue (18%)



- Cyan (0%)
- Magenta (59%)
- Yellow (75%)
- Black (30%)



- Cyan (30%)
- Magenta (71%)
- Yellow (82%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 101.2030, 71.5680, 13.5520 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 101.2030, 71.5680, 13.5520 by changing the saturation by 10% instead.



101.2030, 71.5680,  
13.5520

101.2030, 71.5680,  
13.5520

255.0000, -0.0000,  
-0.0000

74.4630, 67.9000,  
13.9480

155.3240, 78.5370,  
13.9050

46.7340, 65.6990,  
15.2910

178.8070, 72.6230,  
10.9510

26.6110, 53.0440,  
18.8680

197.6200, 56.8520,  
4.9160

18.2390, 36.3560,  
12.9320

217.1340, 40.4850,  
-1.3310

9.9810, 19.3470,  
7.3070

237.2350, 23.8430,  
-8.1010

0.0000, 0.0000,  
0.0000

251.6940, 9.3090,

-9.0190

254.8860, 0.3210,  
-0.3110

■ 101.2030, 71.5680,  
13.5520

■ 101.2030, 71.5680,  
13.5520

■ 90.9330, 81.1960,  
15.2760

■ 111.4730, 61.9400,  
11.8280

■ 80.6630, 90.8240,  
17.0000

■ 121.7430, 52.3120,  
10.1040

■ 74.9410, 95.9130,  
18.3850

■ 131.8990, 43.0050,  
8.0690

■ 142.1690, 33.3770,  
6.3450

■ 152.4390, 23.7490,  
4.6210

■ 162.7090, 14.1210,  
2.8970

■ 172.9790, 4.4930,  
1.1730

■ 183.8360, -5.4100,  
-1.0740

■ 193.9920,  
-14.7170, -3.1090

# Harmonies

## Analogous

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



100.1160, 68.4000, 37.9360



101.2030, 71.5680, 13.5520



100.0280, 63.5500, -17.3620

# Triad

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



101.2030, 71.5680, 13.5520



82.6260, -59.0460, -42.2620



92.4650, -75.4240, 12.2880

# Complementary

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



101.2030, 71.5680, 13.5520



121.7970, -71.5680, -13.5520

# 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.



92.0830, -95.3200, -1.5920



101.2030, 71.5680, 13.5520



88.7990, -75.0500, -27.5460

# Square

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



101.2030, 71.5680, 13.5520



90.4900, -8.9330, -41.8690



93.1140, -88.5780, -13.6500



108.7260, -0.6030, 38.4770



# Rectangle

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



101.2030, 71.5680, 13.5520



98.7110, 45.0290, -28.6270



93.1140, -88.5780, -13.6500



87.8430, -94.4040, 3.8360

# Sweetspot

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



101.2030, 71.5680, 13.5520



202.7060, 27.3710, 5.0590



96.8510, 45.2420, 61.1620



99.4920, 16.2300, 3.2220



245.0000, -0.0000, 0.0000



117.0000, -0.0000, 0.0000



# Same Dimension

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



101.2030, 71.5680, 13.5520



111.3190, 112.4640, 21.2960



139.3580, 53.6930, -20.4430



83.8650, 4.8140, 0.8620



64.5310, 82.3880, 15.7000



10.7090, 14.1210, 2.8970



# Inverse Universe

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



121.7970, -71.5680, -13.5520



143.6810, -112.4640, -21.2960



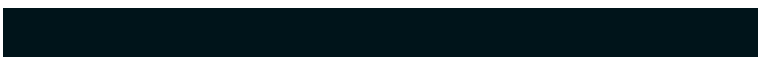
83.6420, -53.6930, 20.4430



85.1350, -4.8140, -0.8620



88.4690, -82.3880, -15.7000

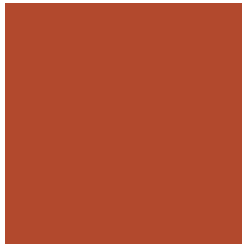


14.7040, -13.8460, -2.3740



# Previews

## White Background



This preview shows how the YIQ color 101.2030, 71.5680, 13.5520 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 YIQ color 101.2030, 71.5680, 13.5520 looks on a 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](#).

# YIQ 101.2030, 71.5680, 13.5520

## Background



This preview shows how black text looks on a background with the YIQ color 101.2030, 71.5680, 13.5520.



This preview shows how white text looks on a background with the YIQ color 101.2030, 71.5680,



# 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

101.2030, 71.5680, 13.5520

### Protanopia

104.4750, 22.9270, -13.5290

### Deuteranopia

103.3860, 39.2950, -12.8090



## Tritanopia

102.4600, 63.9550, 24.8750

# Trichromacy



## Original Color

101.2030, 71.5680, 13.5520

## Protanomaly

103.5530, 40.6230, -3.8330

## Deuteranomaly

102.6420, 50.6180, -3.2540

## Tritanomaly

101.7930, 67.2110, 20.9310

# Monochromacy



## Original Color

101.2030, 71.5680, 13.5520

## Achromatopsia

101.0000, -0.0000, 0.0000

## Achromatomaly

101.2220, 25.8580, 4.9460

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 101.2030, 71.5680, 13.5520 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(178, 73, 45)` looks like.

```
.text, #text, p{  
    color:rgb(178, 73, 45)  
}
```

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(178, 73, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 73, 45) }
```

## Border

The CSS property to change the border of an element to YIQ 101.2030, 71.5680, 13.5520 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(178, 73, 45) }
```



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

```
.border{ border-color:rgb(178, 73, 45) }
```

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

Here you see how a box with a 4 pixel rgb(178, 73, 45) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 73, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 73, 45);  
box-shadow:4px 4px 4px 4px rgb(178, 73,  
45) }
```

# Background

The CSS property to change the background color of an element to YIQ 101.2030, 71.5680, 13.5520 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 73, 45) }
```

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

```
.background{ background-color: rgb(178, 73,  
45) }
```

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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