

Converting Colors

YIQ(116.4240, 89.9990, 15.4310)

Have a look what the booklet for
YIQ(116.4240, 89.9990, 15.4310)
contains.

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Color

**YIQ(116.4240, 89.9990,
15.4310)**

Conversions

Conversions Part 1

Format	Color
Hex	D4522B
RGB	212, 82, 43
RGB Percent	83%, 32%, 17%
CMY	0.1683, 0.6786, 0.8310
CMYK	0.00, 0.61, 0.80, 0.17
HSL	14°, 66%, 50%
HSV	14°, 80%, 83%
XYZ	30.6234, 20.2093, 4.5818
YIQ	116.4240, 89.9990, 15.4310

Conversions

Conversions Part 2

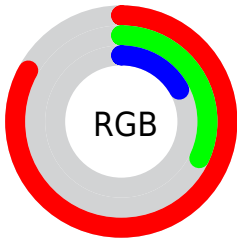
Format	Color
RYB	212, 94, 43
Decimal	13914667
CIELab	52.07, 49.36, 47.80
CIELCh	52, 68.710, 44.084
Yxy	20.2093, 0.5526, 0.3647
Android (android.graphics.Color)	4292104747 (0xFFD4522B)
YUV	116.4240, -36.1980, 83.8202
Hunter-Lab	44.9548, 42.9240, 25.4255

Details

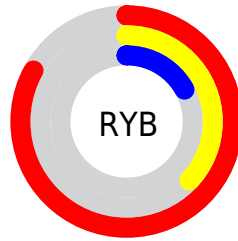
The YIQ color **116.4240, 89.9990, 15.4310** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark washed red. A complement of this color would be **138.5760, -89.9990, -15.4310**, and the grayscale version is **117.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **166.5650, 85.0480, 11.5440**, and **58.9380, 82.8000, 19.2480** is the 20% darker color. If you saturate the color by 10%, you get **104.6380, 101.1400, 17.2680**, and if you desaturate by 10%, it is **128.2100, 78.8580, 13.5940**.

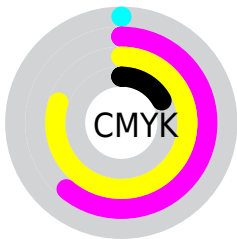
Distribution



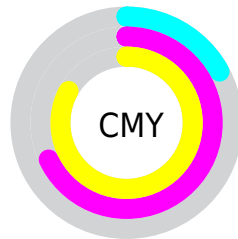
- Red (83%)
- Green (32%)
- Blue (17%)



- Red (83%)
- Yellow (37%)
- Blue (17%)



- Cyan (0%)
- Magenta (61%)
- Yellow (80%)
- Black (17%)



- Cyan (17%)
- Magenta (68%)
- Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 116.4240, 89.9990, 15.4310 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 116.4240, 89.9990, 15.4310 by changing the saturation by 10% instead.

116.4240, 89.9990,
15.4310

116.4240, 89.9990,
15.4310

255.0000, -0.0000,
-0.0000

88.5700, 86.6520,
15.5160

166.5650, 85.0480,
11.5440

58.9380, 82.8000,
19.2480

185.2640, 69.5980,
5.1980

35.5810, 70.9240,
25.2280

205.2510, 53.2770,
-1.8830

26.6110, 53.0440,
18.8680

224.7650, 36.9100,
-8.1300

18.3530, 36.0350,
13.2430

244.9800, 19.9470,
-14.5890

8.7850, 16.9630,
6.4590

251.6940, 9.3090,

0.0000, 0.0000,

-9.0190

0.0000

■ 116.4240, 89.9990,
15.4310

■ 116.4240, 89.9990,
15.4310

■ 104.6380,
101.1400, 17.2680

■ 128.2100, 78.8580,
13.5940

■ 92.2650, 112.5560,
19.6280

■ 140.6970, 67.1210,
11.5450

■ 92.1510, 112.8770,
19.3170

■ 152.4830, 55.9800,
9.7080

■ 164.2690, 44.8390,
7.8710

■ 176.6420, 33.4230,
5.5110

■ 188.4280, 22.2820,
3.6740

■ 200.3280, 10.8200,
2.1480

■ 212.7010, -0.5960,
-0.2120

■ 224.4870,
-11.7370, -2.0490

Harmonies

Analogous

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



112.6180, 87.8380, 49.1020



116.4240, 89.9990, 15.4310



116.8950, 74.0500, -20.4300

Triad

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



116.4240, 89.9990, 15.4310



97.1360, -69.5900, -49.4140



100.4690, -107.6100, 11.8940

Complementary

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



116.4240, 89.9990, 15.4310



138.5760, -89.9990, -15.4310

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.



109.3120, -114.8980, 0.7980



116.4240, 89.9990, 15.4310



105.2640, -89.7210, -31.4890

Square

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



116.4240, 89.9990, 15.4310



101.5670, -17.0000, -55.3680



110.2460, -106.5050, -13.6490



126.9580, 2.1000, 50.0680

Rectangle

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



116.4240, 89.9990, 15.4310



115.5450, 51.1280, -34.5360



110.2460, -106.5050, -13.6490



103.4250, -113.4780, 8.1060

Sweetspot

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



116.4240, 89.9990, 15.4310



220.4570, 32.5060, 5.6100



108.5790, 58.3520, 76.8800



106.7590, 19.8520, 3.6600



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.



116.4240, 89.9990, 15.4310



116.1270, 130.6200, 22.6520



164.5580, 67.4490, -27.4550



101.0500, 5.7310, 0.7630



74.0220, 91.1910, 15.8550



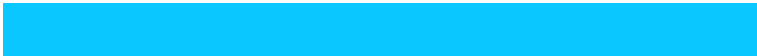
18.7270, 22.8780, 3.8860

Inverse Universe

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



138.5760, -89.9990, -15.4310



148.8730, -130.6200, -22.6520



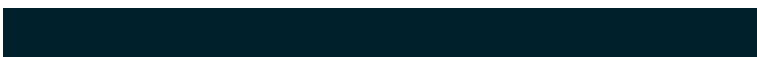
90.4420, -67.4490, 27.4550



102.5370, -6.0060, -1.2860



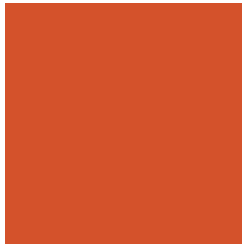
96.9780, -91.1910, -15.8550



24.2730, -22.8780, -3.8860

Previews

White Background



This preview shows how the YIQ color 116.4240, 89.9990, 15.4310 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 116.4240, 89.9990, 15.4310 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 116.4240, 89.9990, 15.4310

Background



This preview shows how black text looks on a background with the YIQ color 116.4240, 89.9990, 15.4310.



This preview shows how white text looks on a background with the YIQ color 116.4240, 89.9990,

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

116.4240, 89.9990, 15.4310

Protanopia

121.2060, 30.8140, -18.8020

Deuteranopia

119.8570, 50.8500, -18.4780



Tritanopia

118.8210, 79.1760, 29.8640

Trichromacy



Original Color

116.4240, 89.9990, 15.4310

Protanomaly

119.4310, 52.5900, -5.9540

Deuteranomaly

118.6620, 65.0610, -6.1950

Tritanomaly

117.8120, 83.3950, 24.9870

Monochromacy



Original Color

116.4240, 89.9990, 15.4310

Achromatopsia

116.0000, -0.0000, 0.0000

Achromatomaly

116.3430, 32.8270, 5.2990

CSS Examples

Text

The CSS property to change the color of the text to YIQ 116.4240, 89.9990, 15.4310 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(212, 82, 43)` looks like.

```
.text, #text, p{  
    color:rgb(212, 82, 43)  
}
```

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(212, 82, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 82, 43) }
```

Border

The CSS property to change the border of an element to YIQ 116.4240, 89.9990, 15.4310 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(212, 82, 43) }
```


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

```
.border{ border-color:rgb(212, 82, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 82, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 82, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 82, 43);  
box-shadow:4px 4px 4px 4px rgb(212, 82,  
43) }
```

Background

The CSS property to change the background color of an element to YIQ 116.4240, 89.9990, 15.4310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 82, 43) }
```

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

```
.background{ background-color: rgb(212, 82,  
43) }
```

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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