

Converting Colors

YIQ(96.8740, 115.2150, 20.9990)

Have a look what the booklet for
YIQ(96.8740, 115.2150, 20.9990)
contains.

YIQ(96.8740, 115.2150, 20.9990)	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

**YIQ(96.8740, 115.2150,
20.9990)**

Conversions

Conversions Part 1

Format	Color
Hex	DC3405
RGB	220, 52, 5
RGB Percent	86%, 20%, 2%
CMY	0.1369, 0.7963, 0.9799
CMYK	0.00, 0.76, 0.98, 0.14
HSL	13°, 95%, 44%
HSV	13°, 98%, 86%
XYZ	30.7967, 17.6913, 1.9388
YIQ	96.8740, 115.2150, 20.9990

Conversions

Conversions Part 2

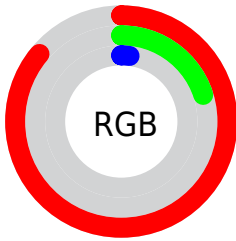
Format	Color
R_{YB}	220, 65, 5
Decimal	14431237
CIE _{Lab}	49.12, 62.73, 60.05
CIE _{LCh}	49, 86.840, 43.748
Yxy	17.6913, 0.6107, 0.3508
Android (android.graphics.Color)	4292621317 (0xFFDC3405)
YUV	96.8740, -45.2939, 107.9815
Hunter-Lab	42.0610, 57.0894, 26.7098

Details

The YIQ color **96.8740, 115.2150, 20.9990** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **128.1260, -115.2150, -20.9990**, and the grayscale version is **97.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **148.9430, 101.5990, 14.4550**, and **46.3450, 92.3800, 32.8600** is the 20% darker color. If you saturate the color by 10%, you get **93.9560, 117.9200, 21.5360**, and if you desaturate by 10%, it is **109.3610, 103.4780, 18.9500**.

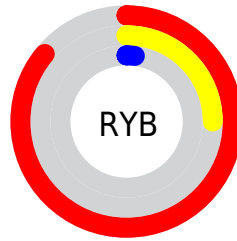
Distribution



Red (86%)

Green (20%)

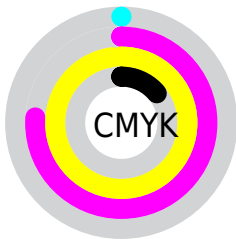
Blue (2%)



Red (86%)

Yellow (25%)

Blue (2%)

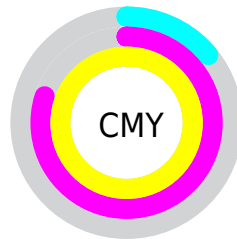


Cyan (0%)

Magenta (76%)

Yellow (98%)

Black (14%)



Cyan (14%)

Magenta (80%)

Yellow (98%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 96.8740, 115.2150, 20.9990 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 96.8740, 115.2150, 20.9990 by changing the saturation by 10% instead.

■ 96.8740, 115.2150,
20.9990

■ 96.8740, 115.2150,
20.9990

■ 254.5440, 1.2840,
-1.2440

■ 59.7340, 110.3980,
36.7180

■ 148.9430,
101.5990, 14.4550

■ 46.3450, 92.3800,
32.8600

■ 168.2290, 85.8740,
7.5860

■ 36.7770, 73.3080,
26.0760

■ 188.2160, 69.5530,
0.5050

■ 27.5080, 54.8320,
19.5040

■ 208.3170, 52.9110,
-6.2650

■ 19.4780, 37.1810,
14.5010

■ 228.4180, 36.2690,
-13.0350

■ 8.7850, 16.9630,
6.4590

■ 247.9320, 19.9020,

■ 0.0000, 0.0000,

-19.2820

0.0000

■ 251.2380, 10.5930,
-10.2630

■ 96.8740, 115.2150,
20.9990

■ 96.8740, 115.2150,
20.9990

■ 93.9560, 117.9200,
21.5360

■ 109.3610,
103.4780, 18.9500

■ 121.8480, 91.7410,
16.9010

■ 134.9220, 79.7290,
14.3290

■ 147.4090, 67.9920,
12.2800

■ 159.8960, 56.2550,
10.2310

■ 172.3830, 44.5180,
8.1820

■ 184.8700, 32.7810,
6.1330

■ 197.9440, 20.7690,
3.5610

■ 210.4310, 9.0320,
1.5120

Harmonies

Analogous

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



81.6780, 115.1130, 77.9370



96.8740, 115.2150, 20.9990



109.8510, 77.3500, -14.1540

Triad

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



96.8740, 115.2150, 20.9990



92.7360, -62.7120, -52.9200



97.1620, -113.7550, 18.6370

Complementary

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



96.8740, 115.2150, 20.9990



128.1260, -115.2150, -20.9990

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.



109.4890, -119.5300, 7.6540



96.8740, 115.2150, 20.9990



102.8020, -88.3000, -29.7080

Square

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



96.8740, 115.2150, 20.9990



81.0060, -37.9500, -72.1740



109.9670, -109.8530, -8.0370



116.6180, 0.7220, 64.0340

Rectangle

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



96.8740, 115.2150, 20.9990



109.0440, 48.2850, -32.5710



109.9670, -109.8530, -8.0370



101.8580, -115.9550, 14.4530

Sweetspot

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



96.8740, 115.2150, 20.9990



212.5180, 39.7040, 7.3200



88.5510, 73.8910, 98.1390



102.3250, 24.0700, 4.3100



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.



96.8740, 115.2150, 20.9990



109.1170, 136.5800, 24.7720



159.6830, 85.7900, -34.9620



103.4630, 6.0060, 1.2860



74.0330, 92.6580, 16.8020



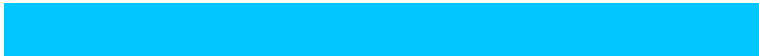
19.6240, 24.6660, 4.5220

Inverse Universe

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



128.1260, -115.2150, -20.9990



145.8830, -136.5800, -24.7720



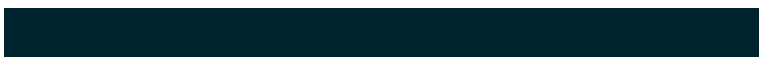
65.3170, -85.7900, 34.9620



104.9500, -5.7310, -0.7630



99.5540, -92.9330, -17.3250



26.3760, -24.6660, -4.5220

Previews

White Background



This preview shows how the YIQ color 96.8740, 115.2150, 20.9990 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 96.8740, 115.2150, 20.9990 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

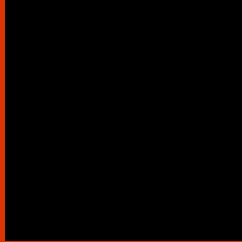
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

YIQ 96.8740, 115.2150, 20.9990

Background



This preview shows how black text looks on a background with the YIQ color 96.8740, 115.2150, 20.9990.



This preview shows how white text looks on a background with the YIQ color 96.8740, 115.2150,

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

96.8740, 115.2150, 20.9990

Protanopia

111.6980, 37.8760, -25.6440

Deuteranopia

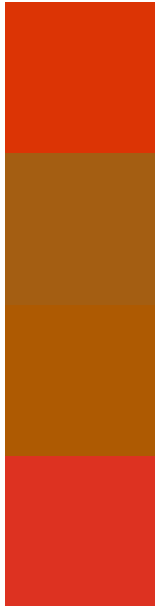
109.9960, 57.4080, -27.2000



Tritanopia

100.4280, 102.5120, 36.4640

Trichromacy



Original Color

96.8740, 115.2150, 20.9990

Protanomaly

106.2660, 66.1160, -8.7960

Deuteranomaly

105.0840, 78.3120, -9.5600

Tritanomaly

99.1910, 107.3730, 30.9650

Monochromacy



Original Color

96.8740, 115.2150, 20.9990

Achromatopsia

97.0000, -0.0000, 0.0000

Achromatomaly

97.3010, 41.8130, 7.6450

CSS Examples

Text

The CSS property to change the color of the text to YIQ 96.8740, 115.2150, 20.9990 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(220, 52, 5)` looks like.

```
.text, #text, p{  
    color:rgb(220, 52, 5)  
}
```

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(220, 52, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 52, 5) }
```

Border

The CSS property to change the border of an element to YIQ 96.8740, 115.2150, 20.9990 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(220, 52, 5) }
```


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

```
.border{ border-color:rgb(220, 52, 5) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 52, 5)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 52, 5); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 52, 5);  
box-shadow:4px 4px 4px 4px rgb(220, 52, 5)  
}
```

Background

The CSS property to change the background color of an element to YIQ 96.8740, 115.2150, 20.9990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 52, 5) }
```

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

```
.background{ background-color: rgb(220, 52,  
5) }
```

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