

Converting Colors

YIQ(81.9910, 56.9450, -2.2790)

Have a look what the booklet for
YIQ(81.9910, 56.9450, -2.2790)
contains.

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Color

**YIQ(81.9910, 56.9450,
-2.2790)**

Conversions

Conversions Part 1

Format	Color
Hex	87440F
RGB	135, 68, 15
RGB Percent	53%, 27%, 6%
CMY	0.4705, 0.7334, 0.9409
CMYK	0.00, 0.50, 0.89, 0.47
HSL	26°, 80%, 29%
HSV	26°, 89%, 53%
XYZ	12.1490, 9.3191, 1.6129
YIQ	81.9910, 56.9450, -2.2790

Conversions

Conversions Part 2

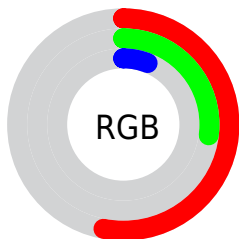
Format	Color
RYB	135, 110, 15
Decimal	8864783
CIELab	36.59, 25.18, 41.56
CIELCh	37, 48.589, 58.788
Yxy	9.3191, 0.5264, 0.4038
Android (android.graphics.Color)	4287054863 (0xFF87440F)
YUV	81.9910, -33.0266, 46.4889
Hunter-Lab	30.5272, 17.6156, 18.2364

Details

The YIQ color **81.9910, 56.9450, -2.2790** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **68.0090, -56.9450, 2.2790**, and the grayscale version is **82.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **133.5680, 62.6300, -0.6820**, and **36.5350, 41.0340, 5.2420** is the 20% darker color. If you saturate the color by 10%, you get **75.8130, 63.3180, -2.1380**, and if you desaturate by 10%, it is **88.2830, 50.2510, -2.1090**.

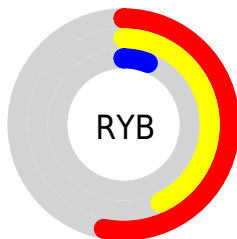
Distribution



Red (53%)

Green (27%)

Blue (6%)



Red (53%)

Yellow (43%)

Blue (6%)

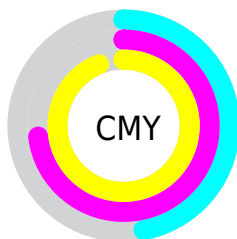


Cyan (0%)

Magenta (50%)

Yellow (89%)

Black (47%)



Cyan (47%)

Magenta (73%)

Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 81.9910, 56.9450, -2.2790 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 81.9910, 56.9450, -2.2790 by changing the saturation by 10% instead.

81.9910, 56.9450,
-2.2790

81.9910, 56.9450,
-2.2790

254.4300, 1.6050,
-1.5550

58.4080, 51.3970,
-0.8510

133.5680, 62.6300,
-0.6820

36.5350, 41.0340,
5.2420

160.6500, 65.3350,
-0.1450

15.5480, 30.9920,
11.0240

188.6180, 68.3610,
0.0810

6.8770, 13.7080,
4.8760

207.7300, 53.1860,
-5.7420

0.0000, 0.0000,
0.0000

227.2440, 36.8190,
-11.9890

247.3450, 20.1770,

-18.7590

■ 251.2380, 10.5930,
-10.2630

■ 81.9910, 56.9450,
-2.2790

■ 81.9910, 56.9450,
-2.2790

■ 75.8130, 63.3180,
-2.1380

■ 88.2830, 50.2510,
-2.1090

■ 75.5850, 63.9600,
-2.7600

■ 93.8740, 44.1530,
-1.7270

■ 100.1660, 37.4590,
-1.5570

■ 105.7570, 31.3610,
-1.1750

■ 112.0490, 24.6670,
-1.0050

■ 117.6400, 18.5690,
-0.6230

■ 123.9320, 11.8750,
-0.4530

■ 129.5230, 5.7770,
-0.0710

■ 135.8150, -0.9170,
0.0990

Harmonies

Analogous

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



81.4980, 60.7920, 21.6240



81.9910, 56.9450, -2.2790



80.7030, 39.4800, -21.6720

Triad

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



81.9910, 56.9450, -2.2790



70.5100, -55.2430, -28.5790



86.5010, -22.3790, 25.6290

Complementary

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



81.9910, 56.9450, -2.2790



68.0090, -56.9450, 2.2790

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.



72.2270, -77.9900, 3.7220



81.9910, 56.9450, -2.2790



75.0700, -68.0830, -16.1390

Square

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



81.9910, 56.9450, -2.2790



64.1890, -41.5780, -39.4500



76.1420, -76.6130, -4.7170



87.1060, 21.6340, 37.4580

Rectangle

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



81.9910, 56.9450, -2.2790



78.2230, 22.9760, -30.9440



76.1420, -76.6130, -4.7170



82.0360, -43.2390, 18.2090

Sweetspot

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



81.9910, 56.9450, -2.2790



154.6790, 22.8330, -0.8070



58.6320, 49.6920, 46.5880



76.4160, 13.3880, -0.3400



217.0000, -0.0000, 0.0000



89.0000, -0.0000, -0.0000

Same Dimension

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



81.9910, 56.9450, -2.2790



98.4100, 83.4460, -3.4820



116.6240, 40.7200, -33.1360



63.5550, 2.7510, -0.2970



72.3290, 61.8050, -2.2510



1.4840, 1.5130, 0.1130

Inverse Universe

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



68.0090, -56.9450, 2.2790



77.5900, -83.4460, 3.4820



33.3760, -40.7200, 33.1360



62.4450, -2.7510, 0.2970



57.6710, -61.8050, 2.2510



0.9290, -1.2380, 0.4100

Previews

White Background



This preview shows how the YIQ color 81.9910, 56.9450, -2.2790 looks on a white background.

Color Contrast Check

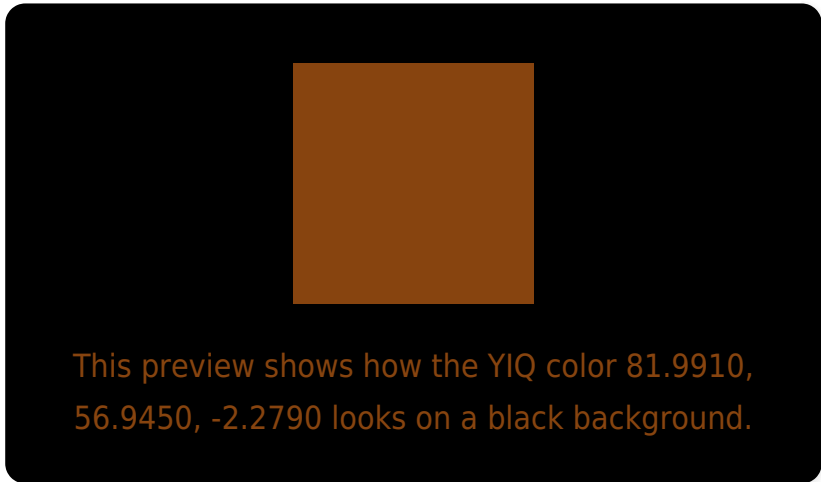
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 81.9910, 56.9450, -2.2790

Background



This preview shows how black text looks on a background with the YIQ color 81.9910, 56.9450, -2.2790.



This preview shows how white text looks on a background with the YIQ color 81.9910, 56.9450, -2.2790.

-2.2790.

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

81.9910, 56.9450, -2.2790

Protanopia

82.6510, 28.0630, -18.5050

Deuteranopia

81.0240, 43.0100, -19.5660



Tritanopia

85.6960, 42.4990, 17.2430

Trichromacy



Original Color

81.9910, 56.9450, -2.2790

Protanomaly

82.2010, 38.3780, -12.7100

Deuteranomaly

81.3500, 48.1440, -13.4880

Tritanomaly

84.4050, 47.4520, 10.0760

Monochromacy



Original Color

81.9910, 56.9450, -2.2790

Achromatopsia

82.0000, 0.0000, -0.0000

Achromatomaly

82.0100, 20.4030, -0.8210

CSS Examples

Text

The CSS property to change the color of the text to YIQ 81.9910, 56.9450, -2.2790 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(135, 68, 15)` looks like.

```
.text, #text, p{  
    color:rgb(135, 68, 15)  
}
```

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(135, 68, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 68, 15) }
```

Border

The CSS property to change the border of an element to YIQ 81.9910, 56.9450, -2.2790 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(135, 68, 15) }
```


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

```
.border{ border-color:rgb(135, 68, 15) }
```

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

Here you see how a box with a 4 pixel rgb(135, 68, 15) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 68, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 68, 15);  
box-shadow:4px 4px 4px 4px rgb(135, 68,  
15) }
```

Background

The CSS property to change the background color of an element to YIQ 81.9910, 56.9450, -2.2790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 68, 15) }
```

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

```
.background{ background-color: rgb(135, 68,  
15) }
```

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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