

Converting Colors

YIQ(123.6780, 103.6630,
10.0870)

Have a look what the booklet for
YIQ(123.6780, 103.6630, 10.0870)
contains.

YIQ(123.6780, 103.6630, 10.0870)	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(123.6780, 103.6630,
10.0870)**

Conversions

Conversions Part 1

Format	Color
Hex	E5591A
RGB	229, 89, 26
RGB Percent	90%, 35%, 10%
CMY	0.1017, 0.6512, 0.8976
CMYK	0.00, 0.61, 0.89, 0.10
HSL	19°, 80%, 50%
HSV	19°, 89%, 90%
XYZ	36.0923, 23.8804, 3.6913
YIQ	123.6780, 103.6630, 10.0870

Conversions

Conversions Part 2

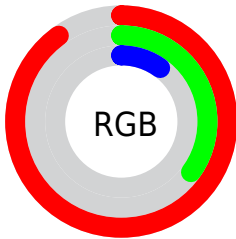
Format	Color
R_{YB}	229, 117, 26
Decimal	15030554
CIE Lab	55.97, 51.87, 59.35
CIE LCh	56, 78.822, 48.851
Yxy	23.8804, 0.5669, 0.3751
Android (android.graphics.Color)	4293220634 (0xFFE5591A)
YUV	123.6780, -48.1553, 92.3674
Hunter-Lab	48.8676, 46.3170, 29.7287

Details

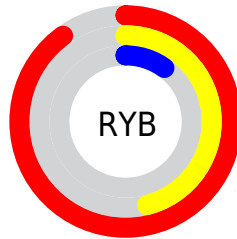
The YIQ color **123.6780, 103.6630, 10.0870** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **131.3220, -103.6630, -10.0870**, and the grayscale version is **124.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **169.6650, 87.3420, 3.0060**, and **68.1190, 89.5400, 18.2440** is the 20% darker color. If you saturate the color by 10%, you get **111.6640, 115.4460, 11.3020**, and if you desaturate by 10%, it is **135.6920, 91.8800, 8.8720**.

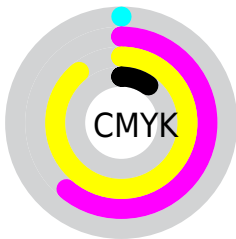
Distribution



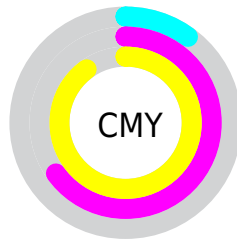
- Red (90%)
- Green (35%)
- Blue (10%)



- Red (90%)
- Yellow (46%)
- Blue (10%)



- Cyan (0%)
- Magenta (61%)
- Yellow (89%)
- Black (10%)





- Cyan (10%)
- Magenta (65%)
- Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 123.6780, 103.6630, 10.0870 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 123.6780, 103.6630, 10.0870 by changing the saturation by 10% instead.


 123.6780,
103.6630, 10.0870


 123.6780,
103.6630, 10.0870


255.0000, -0.0000,
-0.0000


 95.2970, 100.3620,
9.3380


 169.0780, 87.6170,
3.5290


 68.1190, 89.5400,
18.2440


 188.4780, 71.5710,
-3.0290


 40.0660, 79.8640,
28.4080


 208.4650, 55.2500,
-10.1100

 30.7970, 61.3880,
21.8360

 228.5660, 38.6080,
-16.8800

 21.8270, 43.5080,
15.4760

 247.0200, 22.4700,
-21.7700

 13.9820, 26.7740,
10.3740

 250.2120, 13.4820,

 0.0000, 0.0000,

-13.0620

0.0000

253.5180, 4.1730,
-4.0430

123.6780,
103.6630, 10.0870

123.6780,
103.6630, 10.0870

111.6640,
115.4460, 11.3020

135.6920, 91.8800,
8.8720

110.1480,
116.9590, 11.4150

147.7060, 80.0970,
7.6570

159.1330, 68.5890,
6.9650

171.1470, 56.8060,
5.7500

183.1610, 45.0230,
4.5350

■ 195.1750, 33.2400,
3.3200

■ 207.0750, 21.7780,
1.7940

■ 218.5020, 10.2700,
1.1020

■ 230.5160, -1.5130,
-0.1130

Harmonies

Analogous

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



116.1150, 105.6720, 56.2960



123.6780, 103.6630, 10.0870



126.3310, 75.5180, -25.0100

Triad

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



123.6780, 103.6630, 10.0870



107.0640, -78.2550, -52.0710



118.8680, -86.3840, 23.6960

Complementary

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



123.6780, 103.6630, 10.0870



131.3220, -103.6630, -10.0870

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.



117.1200, -123.1050, 0.8550



123.6780, 103.6630, 10.0870



116.4460, -101.9170, -30.7250

Square

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



123.6780, 103.6630, 10.0870



94.8780, -52.2090, -72.5690



121.5250, -120.3520, -10.4960



136.1650, 15.1190, 61.9270

Rectangle

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



123.6780, 103.6630, 10.0870



124.0620, 47.8740, -41.6460



121.5250, -120.3520, -10.4960



108.9020, -119.2550, 8.1770

Sweetspot

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



123.6780, 103.6630, 10.0870



218.9580, 35.3490, 3.6450



102.8850, 75.4060, 87.1980



106.3030, 21.1360, 2.4160



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.



123.6780, 103.6630, 10.0870



122.6180, 130.2550, 12.7430



181.7910, 76.4380, -41.6900



108.9360, 6.0520, 0.4520



85.8060, 91.5590, 9.1830



24.6410, 25.9960, 2.4440

Inverse Universe

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



131.3220, -103.6630, -10.0870



132.3820, -130.2550, -12.7430



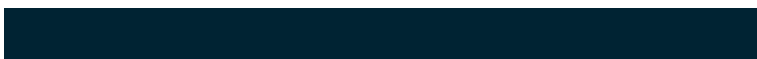
73.2090, -76.4380, 41.6900



109.0640, -6.0520, -0.4520



92.6070, -91.2840, -8.6600



26.3590, -25.9960, -2.4440

Previews

White Background



This preview shows how the YIQ color 123.6780, 103.6630, 10.0870 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 123.6780, 103.6630, 10.0870 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 123.6780, 103.6630, 10.0870

Background



This preview shows how black text looks on a background with the YIQ color 123.6780, 103.6630, 10.0870.



This preview shows how white text looks on a background with the YIQ color 123.6780, 103.6630,

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

123.6780, 103.6630, 10.0870

Protanopia

128.7260, 40.6730, -26.7750

Deuteranopia

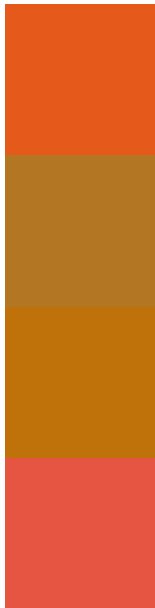
125.9660, 66.1200, -30.9040



Tritanopia

127.8220, 86.6030, 32.9310

Trichromacy



Original Color

123.6780, 103.6630, 10.0870

Protanomaly

126.6630, 63.3200, -13.1920

Deuteranomaly

125.0530, 79.5970, -16.3310

Tritanomaly

126.0750, 92.8400, 24.5200

Monochromacy



Original Color

123.6780, 103.6630, 10.0870

Achromatopsia

124.0000, -0.0000, -0.0000

Achromatomaly

123.6270, 37.7790, 3.6590

CSS Examples

Text

The CSS property to change the color of the text to YIQ 123.6780, 103.6630, 10.0870 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(229, 89, 26)` looks like.

```
.text, #text, p{  
    color:rgb(229, 89, 26)  
}
```

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(229, 89, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 89, 26) }
```

Border

The CSS property to change the border of an element to YIQ 123.6780, 103.6630, 10.0870 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(229, 89, 26) }
```


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

```
.border{ border-color:rgb(229, 89, 26) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 89, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 89, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 89, 26);  
box-shadow:4px 4px 4px 4px rgb(229, 89,  
26) }
```

Background

The CSS property to change the background color of an element to YIQ 123.6780, 103.6630, 10.0870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 89, 26) }
```

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

```
.background{ background-color: rgb(229, 89,  
26) }
```

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