

Converting Colors

YIQ(78.9860, 46.1730, -16.3150)

Have a look what the booklet for
YIQ(78.9860, 46.1730, -16.3150)
contains.

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Color

**YIQ(78.9860, 46.1730,
-16.3150)**

Conversions

Conversions Part 1

Format	Color
Hex	714D00
RGB	113, 77, 0
RGB Percent	44%, 30%, 0%
CMY	0.5568, 0.6981, 0.9997
CMYK	0.00, 0.32, 1.00, 0.56
HSL	41°, 100%, 22%
HSV	41°, 100%, 44%
XYZ	9.4644, 8.8171, 1.2048
YIQ	78.9860, 46.1730, -16.3150

Conversions

Conversions Part 2

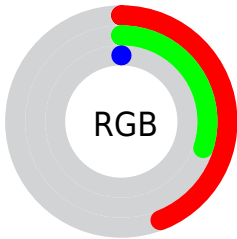
Format	Color
R_{YB}	53, 113, 0
Decimal	7425280
CIE _{Lab}	35.63, 9.21, 44.45
CIE _{LCh}	36, 45.393, 78.295
Yxy	8.8171, 0.4857, 0.4525
Android (android.graphics.Color)	4285615360 (0xFF714D00)
YUV	78.9860, -38.9401, 29.8303
Hunter-Lab	29.6936, 4.9307, 18.3798

Details

The YIQ color **78.9860, 46.1730, -16.3150** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **34.0140, -46.1730, 16.3150**, and the grayscale version is **79.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **130.6490, 48.7400, -13.2760**, and **37.3110, 26.6850, -4.5390** is the 20% darker color. If you saturate the color by 10%, you get **78.9860, 46.1730, -16.3150**, and if you desaturate by 10%, it is **82.5880, 41.5420, -14.9860**.

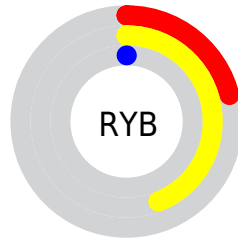
Distribution



Red (44%)

Green (30%)

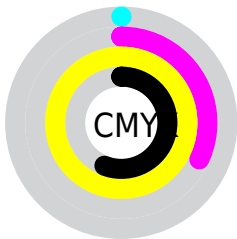
Blue (0%)



Red (21%)

Yellow (44%)

Blue (0%)

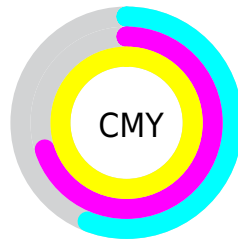


Cyan (0%)

Magenta (32%)

Yellow (100%)

Black (56%)



Cyan (56%)

Magenta (70%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 78.9860, 46.1730, -16.3150 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 78.9860, 46.1730, -16.3150 by changing the saturation by 10% instead.

■ 78.9860, 46.1730,
-16.3150

■ 78.9860, 46.1730,
-16.3150

■ 253.4040, 4.4940,
-4.3540

■ 57.7110, 37.0020,
-9.7980

■ 130.6490, 48.7400,
-13.2760

■ 37.3110, 26.6850,
-4.5390

■ 157.4320, 50.8490,
-12.9510

■ 17.5090, 17.5600,
1.1440

■ 184.2150, 52.9580,
-12.6260

■ 0.0000, 0.0000,
0.0000

■ 211.9870, 53.6000,
-13.2480

■ 231.3870, 37.5540,
-19.8060

■ 246.9060, 22.7910,

-22.0810

■ 250.0980, 13.8030,
-13.3730

■ 78.9860, 46.1730,
-16.3150

■ 82.5880, 41.5420,
-14.9860

■ 85.7170, 36.8650,
-12.8230

■ 89.3190, 32.2340,
-11.4940

■ 92.3340, 27.8780,
-9.6420

■ 96.0500, 22.9260,
-8.0020

■ 99.6520, 18.2950,
-6.6730

■ 102.6670, 13.9390,
-4.8210

■ 106.2690, 9.3080,
-3.4920

■ 109.3980, 4.6310,
-1.3290

Harmonies

Analogous

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



80.1900, 55.2470, 6.4710



78.9860, 46.1730, -16.3150



76.1630, 23.2050, -29.5870

Triad

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



78.9860, 46.1730, -16.3150



71.3710, -61.8010, -19.8570



86.5170, 7.0550, 31.8470

Complementary

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



78.9860, 46.1730, -16.3150



34.0140, -46.1730, 16.3150

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.



80.2490, -39.5250, 16.9790



78.9860, 46.1730, -16.3150



73.7310, -71.2020, -9.1700

Square

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



78.9860, 46.1730, -16.3150



66.4520, -49.3280, -31.1520



71.6740, -75.0550, 0.0890



82.6210, 39.0570, 35.5770

Rectangle

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



78.9860, 46.1730, -16.3150



73.3050, -0.6820, -31.7060



71.6740, -75.0550, 0.0890



85.8790, -5.8280, 28.5400

Sweetspot

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



78.9860, 46.1730, -16.3150



134.7660, 17.9740, -6.3620



38.1190, 55.1500, 35.7740



65.6390, 11.1420, -3.6900



201.0000, -0.0000, 0.0000



74.0000, -0.0000, 0.0000

Same Dimension

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



78.9860, 46.1730, -16.3150



103.5390, 60.4330, -21.4470



94.4370, 24.9490, -39.1710



54.1420, 2.4760, -0.8200



84.0140, 48.9700, -17.4460



172.4690, 101.0120, -35.5000

Inverse Universe

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



34.0140, -46.1730, 16.3150



44.4610, -60.4330, 21.4470



18.5630, -24.9490, 39.1710



51.8580, -2.4760, 0.8200



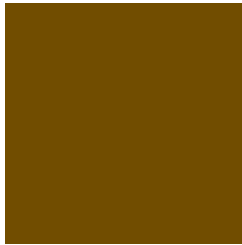
35.9860, -48.9700, 17.4460



74.5310, -101.0120, 35.5000

Previews

White Background



This preview shows how the YIQ color 78.9860, 46.1730, -16.3150 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



This preview shows how the YIQ color 78.9860, 46.1730, -16.3150 looks on a 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 78.9860, 46.1730, -16.3150

Background



This preview shows how black text looks on a background with the YIQ color 78.9860, 46.1730, -16.3150.



This preview shows how white text looks on a background with the YIQ color 78.9860, 46.1730,

-16.3150.

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

78.9860, 46.1730, -16.3150

Protanopia

79.0980, 30.9980, -22.1380

Deuteranopia

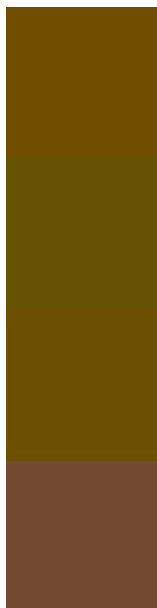
78.9530, 41.7720, -19.1560



Tritanopia

85.7260, 24.6190, 10.8830

Trichromacy



Original Color

78.9860, 46.1730, -16.3150

Protanomaly

79.0880, 36.9580, -20.0180

Deuteranomaly

78.9640, 43.2390, -18.2090

Tritanomaly

83.4090, 32.4610, 0.9170

Monochromacy



Original Color

78.9860, 46.1730, -16.3150

Achromatopsia

79.0000, -0.0000, 0.0000

Achromatomaly

78.6950, 16.7360, -5.9520

CSS Examples

Text

The CSS property to change the color of the text to YIQ 78.9860, 46.1730, -16.3150 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(113, 77, 0)` looks like.

```
.text, #text, p{  
    color:rgb(113, 77, 0)  
}
```

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(113, 77, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 77, 0) }
```

Border

The CSS property to change the border of an element to YIQ 78.9860, 46.1730, -16.3150 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(113, 77, 0) }
```


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

```
.border{ border-color:rgb(113, 77, 0) }
```

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

Here you see how a box with a 4 pixel rgb(113, 77, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 77, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 77, 0);  
box-shadow:4px 4px 4px 4px rgb(113, 77, 0)  
}
```

Background

The CSS property to change the background color of an element to YIQ 78.9860, 46.1730, -16.3150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 77, 0) }
```

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

```
.background{ background-color: rgb(113, 77,  
0) }
```

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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