

Converting Colors

YIQ(73.1360, 90.8700, 16.1660)

Have a look what the booklet for
YIQ(73.1360, 90.8700, 16.1660)
contains.

YIQ(73.1360, 90.8700, 16.1660)	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(73.1360, 90.8700,
16.1660)**

Conversions

Conversions Part 1

Format	Color
Hex	AA2600
RGB	170, 38, 0
RGB Percent	67%, 15%, 0%
CMY	0.3330, 0.8512, 0.9996
CMYK	0.00, 0.78, 1.00, 0.33
HSL	13°, 100%, 33%
HSV	13°, 100%, 67%
XYZ	17.2855, 9.9372, 1.0099
YIQ	73.1360, 90.8700, 16.1660

Conversions

Conversions Part 2

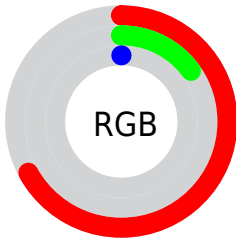
Format	Color
R_{YB}	170, 49, 0
Decimal	11150848
CIE Lab	37.73, 51.69, 50.62
CIE LCh	38, 72.344, 44.399
Yxy	9.9372, 0.6123, 0.3520
Android (android.graphics.Color)	4289340928 (0xFFAA2600)
YUV	73.1360, -36.0560, 84.9497
Hunter-Lab	31.5233, 42.7127, 20.1669

Details

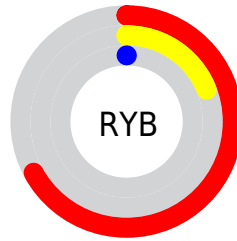
The YIQ color **73.1360, 90.8700, 16.1660** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **96.8640, -90.8700, -16.1660**, and the grayscale version is **73.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **130.6590, 96.6470, 16.0950**, and **32.2920, 64.3680, 22.8960** is the 20% darker color. If you saturate the color by 10%, you get **73.1360, 90.8700, 16.1660**, and if you desaturate by 10%, it is **82.7050, 81.8380, 14.6540**.

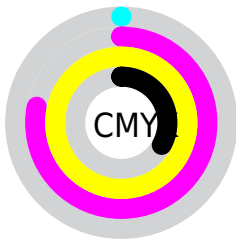
Distribution



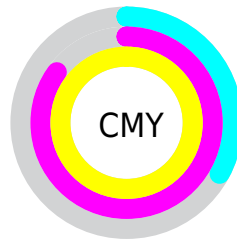
- Red (67%)
- Green (15%)
- Blue (0%)



- Red (67%)
- Yellow (19%)
- Blue (0%)



- Cyan (0%)
- Magenta (78%)
- Yellow (100%)
- Black (33%)





- Cyan (33%)
- Magenta (85%)
- Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the YIQ color 73.1360, 90.8700, 16.1660 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 73.1360, 90.8700, 16.1660 by changing the saturation by 10% instead.


 73.1360, 90.8700,
16.1660


 73.1360, 90.8700,
16.1660


 252.9480, 5.7780,
-5.5980


 41.5610, 82.8440,
29.4680


 130.6590, 96.6470,
16.0950


 32.2920, 64.3680,
22.8960


 155.9360, 94.3090,
14.4130


 23.3220, 46.4880,
16.5360

 175.2220, 78.5840,
7.5440

 15.4770, 29.7540,
11.4340

 194.5080, 62.8590,
0.6750

 0.0000, 0.0000,
0.0000

 214.0220, 46.4920,
-5.5720

 234.1230, 29.8500,

-12.3420

■ 249.6420, 15.0870,
-14.6170

■ 73.1360, 90.8700,
16.1660

■ 82.7050, 81.8380,
14.6540

■ 92.2740, 72.8060,
13.1420

■ 102.4300, 63.4990,
11.1070

■ 111.9990, 54.4670,
9.5950

■ 121.5680, 45.4350,
8.0830

■ 131.1370, 36.4030,
6.5710

■ 140.7060, 27.3710,
5.0590

■ 150.8620, 18.0640,
3.0240

■ 160.4310, 9.0320,
1.5120

Harmonies

Analogous

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



63.2090, 90.9080, 59.5480



73.1360, 90.8700, 16.1660



84.0910, 59.2390, -10.8170

Triad

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



73.1360, 90.8700, 16.1660



70.8400, -47.9050, -40.4250



74.3250, -89.4090, 17.9430

Complementary

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



73.1360, 90.8700, 16.1660



96.8640, -90.8700, -16.1660

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.



84.7770, -94.0380, 8.2180



73.1360, 90.8700, 16.1660



79.0820, -68.3570, -22.1890

Square

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



73.1360, 90.8700, 16.1660



62.2220, -29.1500, -55.4380



84.6510, -85.4160, -4.8720



88.8980, 2.3290, 51.4250

Rectangle

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



73.1360, 90.8700, 16.1660



83.3280, 36.0420, -25.4460



84.6510, -85.4160, -4.8720



79.4770, -92.8930, 15.0030

Sweetspot

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



73.1360, 90.8700, 16.1660



183.8380, 35.8070, 6.3590



65.9920, 58.6270, 77.4030



89.2430, 21.3650, 3.7730



240.0000, -0.0000, -0.0000



112.0000, -0.0000, 0.0000

Same Dimension

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



73.1360, 90.8700, 16.1660



95.1410, 118.8370, 21.4370



122.4440, 67.7700, -27.7660



79.5660, 4.2180, 0.6500



63.6230, 79.1330, 14.1170



8.9150, 10.5450, 1.6250

Inverse Universe

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



96.8640, -90.8700, -16.1660



126.2720, -118.5620, -20.9140



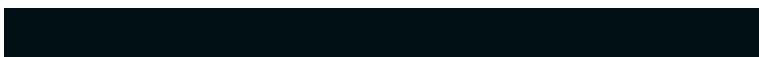
47.5560, -67.7700, 27.7660



80.4340, -4.2180, -0.6500



84.3770, -79.1330, -14.1170



11.6720, -10.8200, -2.1480

Previews

White Background



This preview shows how the YIQ color 73.1360, 90.8700, 16.1660 looks on a white background.

Color Contrast Check

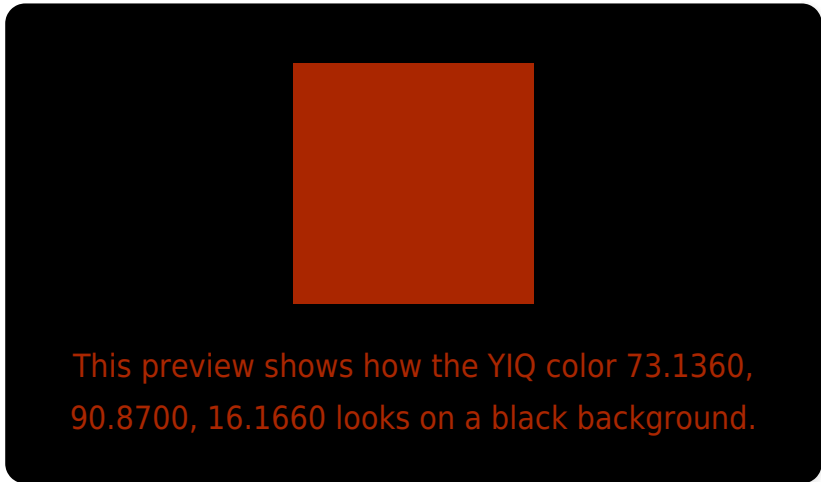
Large Text (above 18pt) WCAG AA ✓ Pass

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

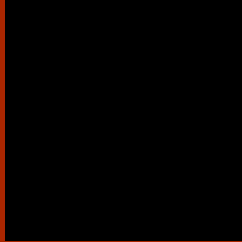
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 73.1360, 90.8700, 16.1660

Background



This preview shows how black text looks on a background with the YIQ color 73.1360, 90.8700, 16.1660.



This preview shows how white text looks on a background with the YIQ color 73.1360, 90.8700,

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

73.1360, 90.8700, 16.1660

Protanopia

85.3090, 29.0260, -19.4380

Deuteranopia

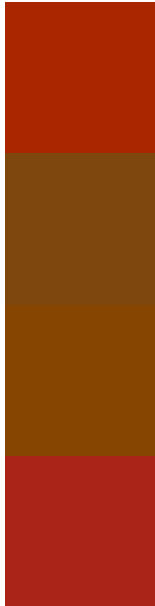
84.5680, 44.2940, -20.8100



Tritanopia

76.0660, 79.8640, 28.4080

Trichromacy



Original Color

73.1360, 90.8700, 16.1660

Protanomaly

80.8330, 51.3980, -6.3780

Deuteranomaly

80.5690, 60.8890, -7.6790

Tritanomaly

75.1710, 83.7620, 23.8420

Monochromacy



Original Color

73.1360, 90.8700, 16.1660

Achromatopsia

73.0000, -0.0000, -0.0000

Achromatomaly

72.7560, 33.1020, 5.8220

CSS Examples

Text

The CSS property to change the color of the text to YIQ 73.1360, 90.8700, 16.1660 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(170, 38, 0)` looks like.

```
.text, #text, p{  
    color:rgb(170, 38, 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(170, 38, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 38, 0) }
```

Border

The CSS property to change the border of an element to YIQ 73.1360, 90.8700, 16.1660 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(170, 38, 0) }
```


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

```
.border{ border-color:rgb(170, 38, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 38, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 38, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 38, 0);  
box-shadow:4px 4px 4px 4px rgb(170, 38, 0)  
}
```

Background

The CSS property to change the background color of an element to YIQ 73.1360, 90.8700, 16.1660 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 38, 0) }
```

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

```
.background{ background-color: rgb(170, 38,  
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](#).

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